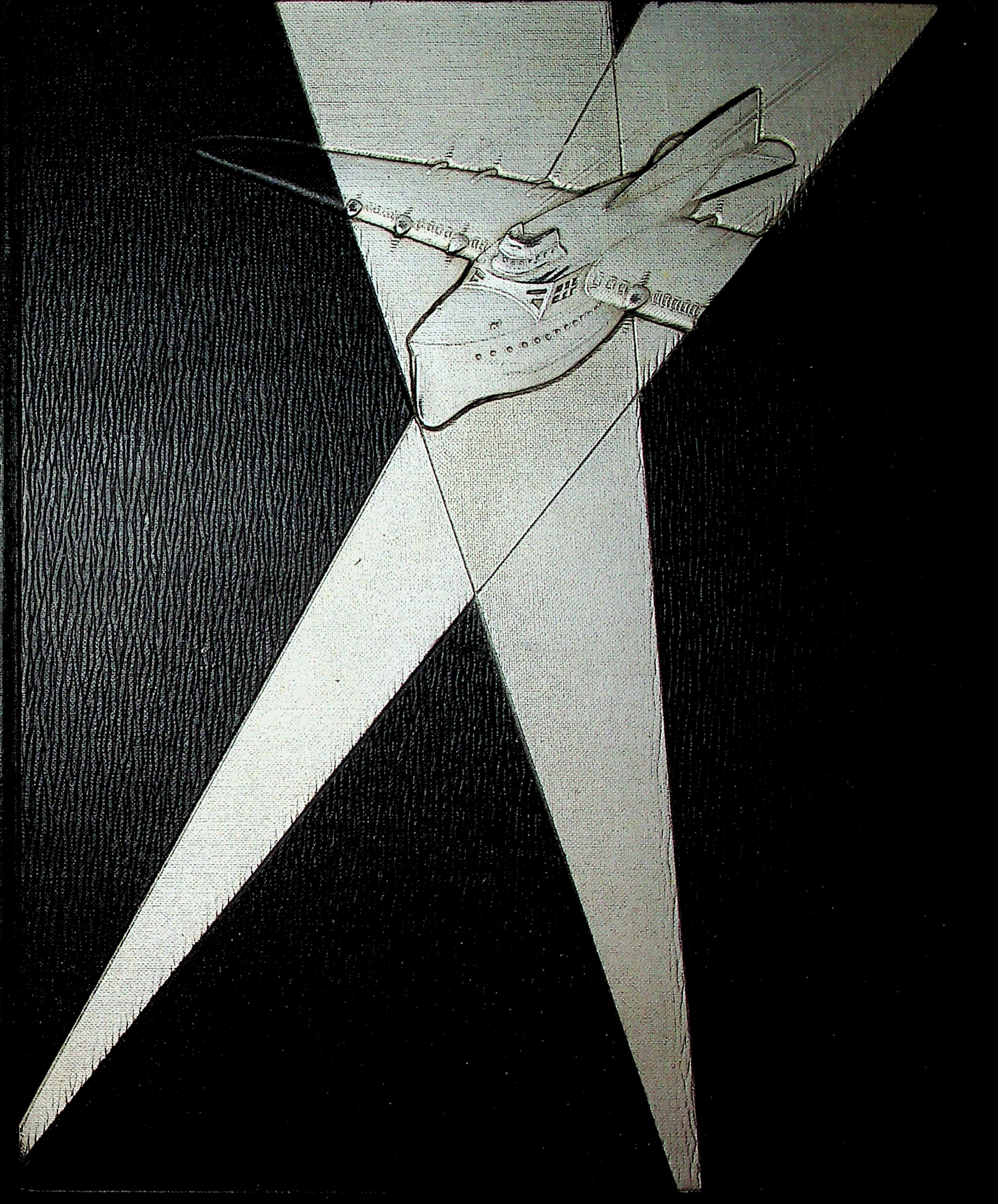

THE 1932 CABLE

EX

IBRIS

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THE 1932 CABLE

THE 1932

CABLE

THE YEARBOOK
of
COOPER
UNION

Published
by the Class
of 1933

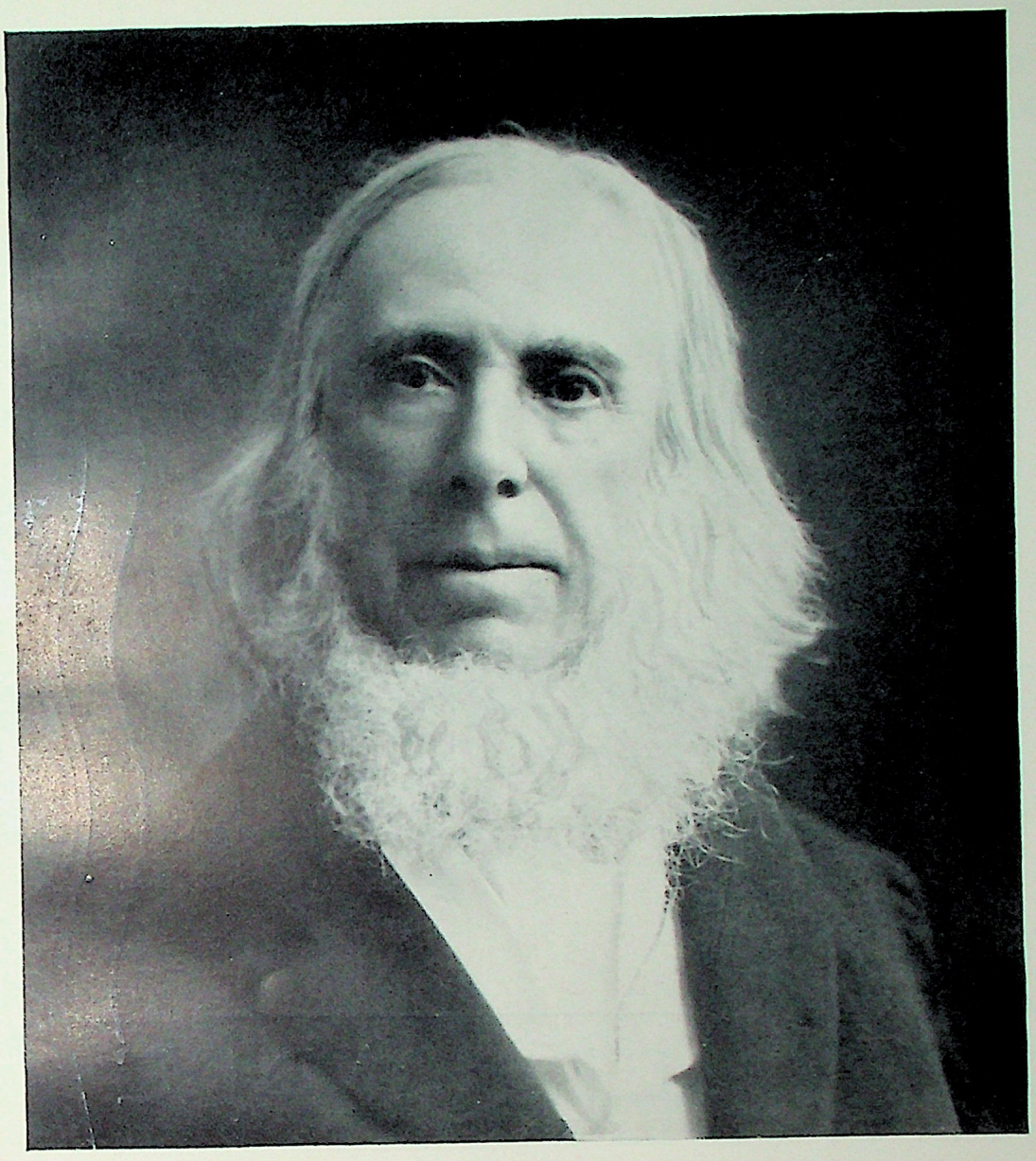
NEW YORK

DEDICATION

PETER COOPER, illustrious Founder of Cooper Union, was foremost in his time in the development and applications of scientific principles. He was the guiding influence and a pioneer in transportation by railroad. He was associated with those intrepid men who conceived and financed the laying of the first cable across the Atlantic for the transmission of electrical impulses and signals. But his genius burned not alone in his breast, for the flame flared again in his grandson, Peter Cooper Hewitt, a great figure among the pioneers in Aviation.

When Langley was experimenting so unsuccessfully in an endeavor to fly in a heavier-than-air machine, and when the Wright Brothers were showing to the world that flying was a possibility, Peter Cooper Hewitt had developed the mathematics of flying, which received the approval of the foremost scientists in the early 1900's.

Aviation owes much to many men and many branches of Science, but it is well for us of the Union to remember that the name of Cooper is inseparably associated with its development from the earliest days.



PETER COOPER

An inspiration to those who follow the engineering sciences, by his examples and by his achievements.

This is the AIR-MINDED CABLE

WE, the Staff of the 1932 Cable, have endeavored to portray within the covers of this book the importance of Aviation to the future progress of the world and the place of the Engineer in Aviation.

Despite past developments the field of Aviation is, without doubt, the broadest field for future advancement. The future growth and prosperity of this field is dependent upon technical knowledge and professional men. The spirit of the pioneer, so well typified by engineers in general, is the spirit which will predominate. Many who are now students and some of those who are about to leave us for the engineering world will be actively engaged in and probably prominently associated with Aeronautics.

WHAT DOES THE FUTURE HOLD?

The ELEMENTS

Book One
MECHANICAL ENGINEERING

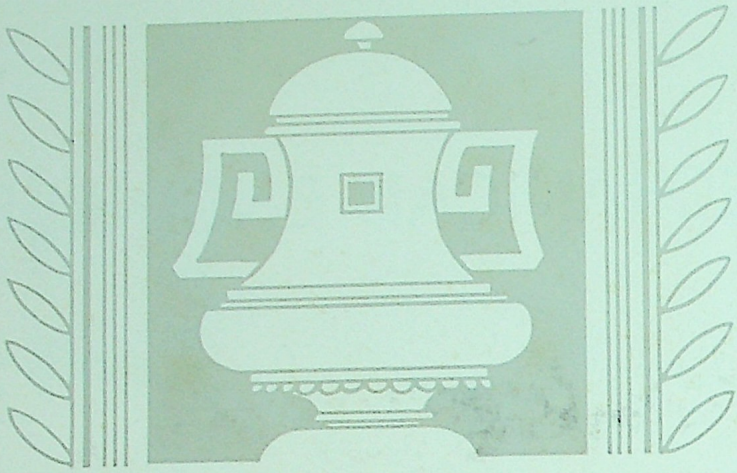
Book Two
ELECTRICAL ENGINEERING

Book Three
CHEMICAL ENGINEERING

Book Four
CIVIL ENGINEERING

Book Five
ARCHITECTURE

IN MEMORIAM



FRANCIS M. HARTMANN

Date of Birth	Date of Death
1870	1932

As we go to press, we learn of our great loss in the death of Dean Hartmann.

An alumnus of our Alma Mater, rich in intellectual powers, he freely gave himself to the work of The Cooper Union, never sparing himself in his devotion to its advancement. His broad vision and penetrating analysis were the foundation of the sound judgment which was characteristic of him.

Warm human sympathies and a keen sense of justice predominated in him. To every serious student he was a sincere friend. One left his classroom broadened and enriched by the contact.

With reverent and affectionate remembrance, we mourn the passing of a Faithful Servant.

THOMAS SNELL

Date of Birth	Date of Death
1837	1931

He was a link with the past, with Peter Cooper and his ideals. He possessed a homely stock of pioneering wisdom with which he tempered a rare broad-mindedness of intellect and foresight. As a trustee, since 1859, he exerted a beneficial influence on Cooper Union's destinies and devoted himself so intensely to its welfare that he came to regard its students as his "children." His spirit, through his undying faith and zeal for the "School," will stand side by side with Peter Cooper's, down through the years, guiding and protecting forever.

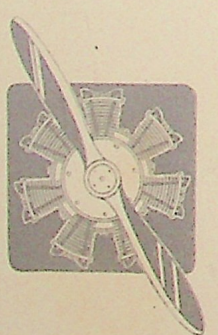
BOOK ONE

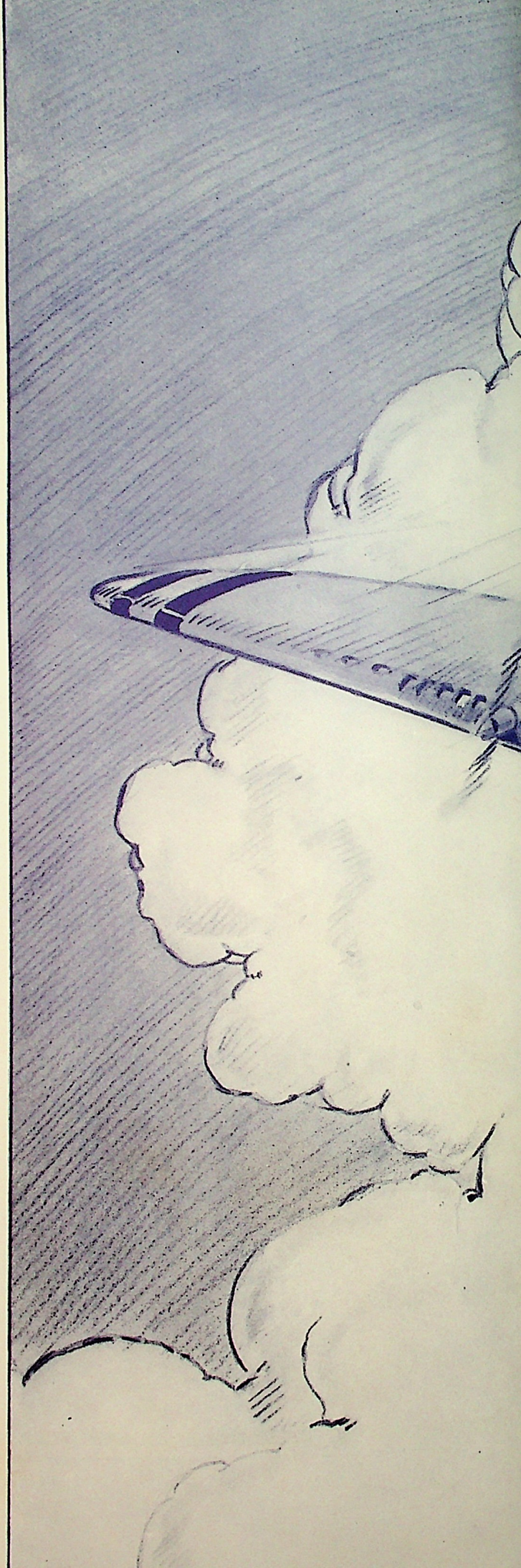
THE UNION

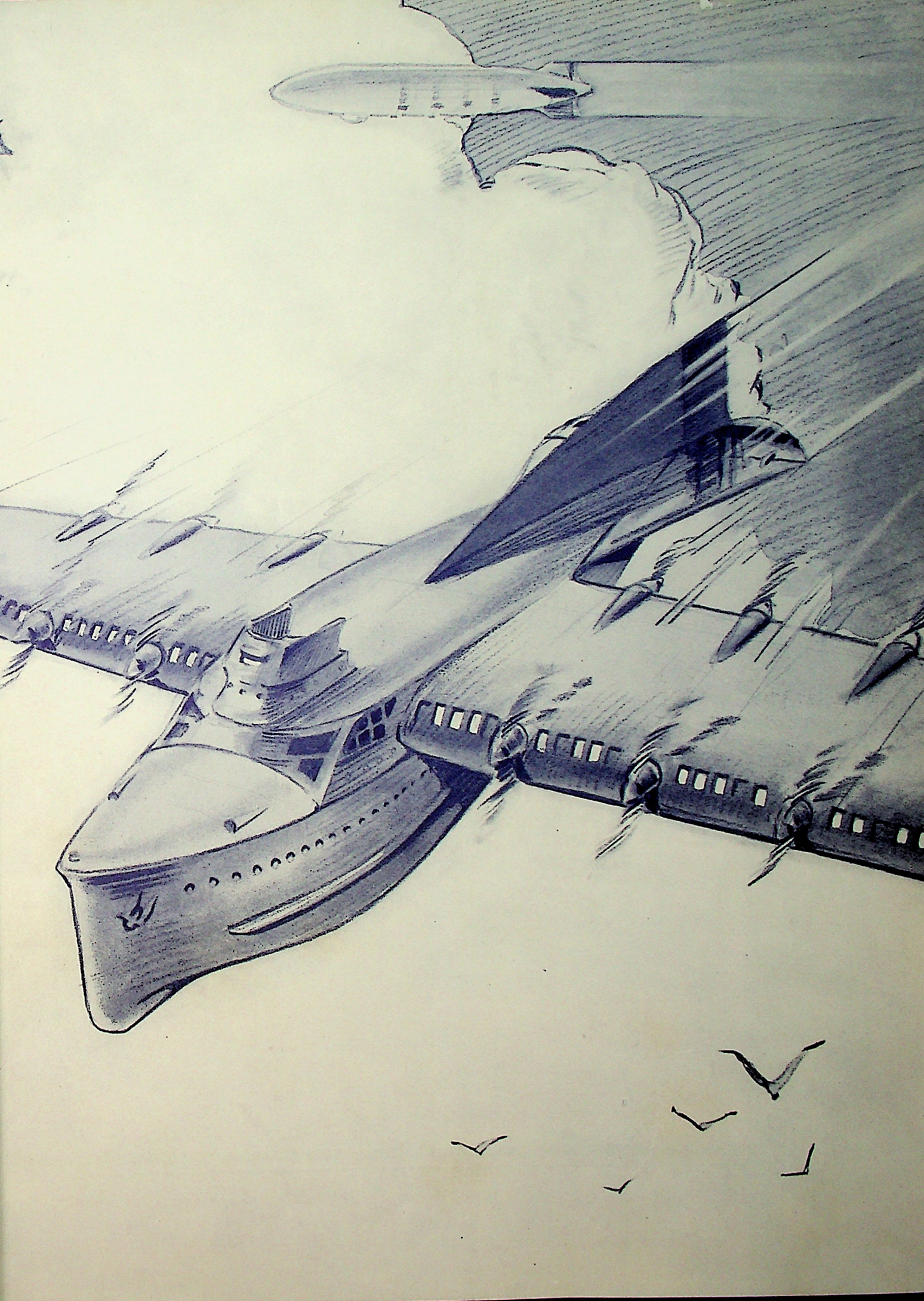
MECHANICAL

THE large capacity, light - weight power plant is the Mechanical Engineer's chief contribution to the commercial aeroplane. Sixteenth century experiments on man-lifting surfaces got nowhere without power engines. Not until the growing popularity of the gasoline motor vehicle in the 1890's was the solution seen—the high-speed internal-combustion engine. Nothing stimulates as does competition. Engine development advanced a century in the short years of the Great War. Thus by competition, through more rational design and the appropriate use of alloys, increased power and greater reliability were attained. For the Future, we rely on the Spirit of Engineering Research.

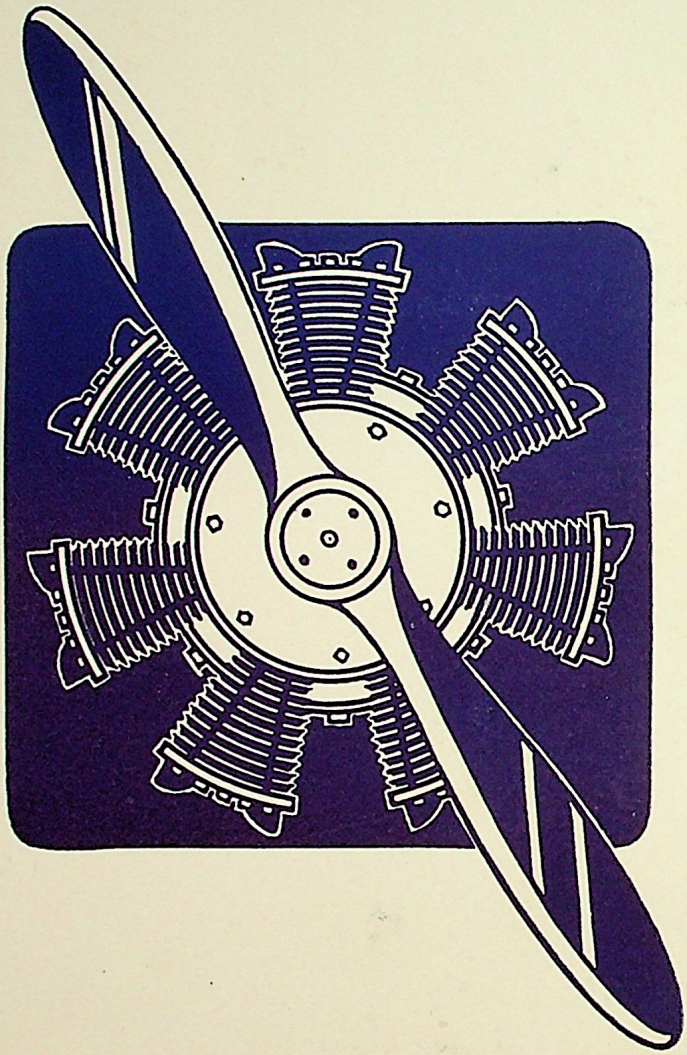
Wm. F. Bateman



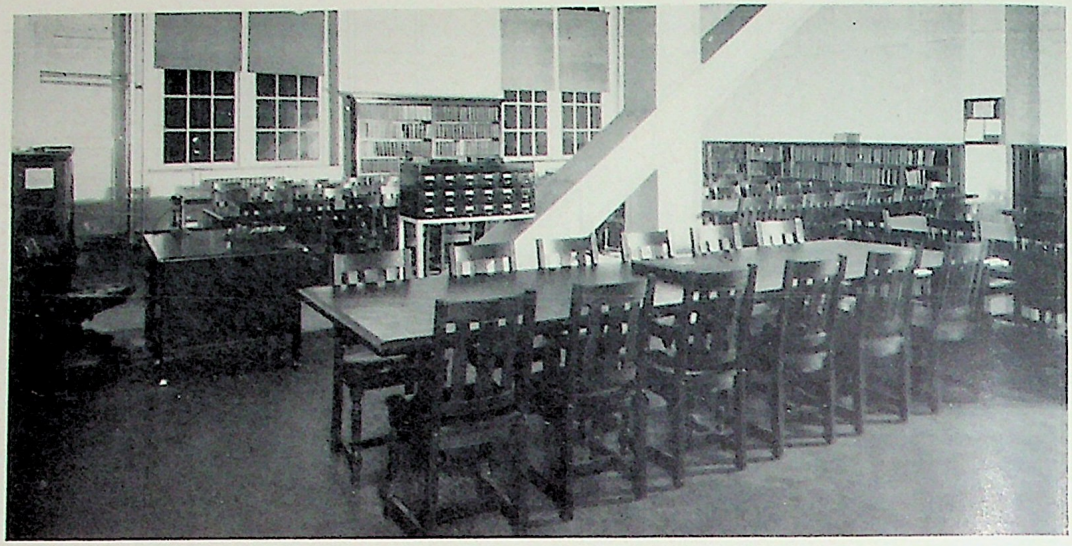




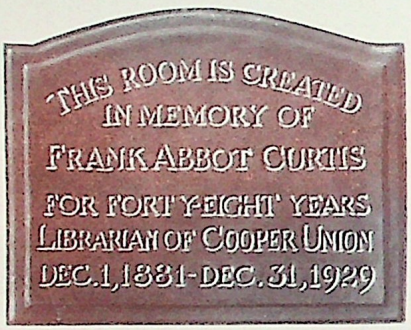
CABLE



FOUNDATION BUILDING
Astor Place Entrance at Night



STUDENTS' REFERENCE ROOM


THIS ROOM IS CREATED
IN MEMORY OF
FRANK ABBOT CURTIS
FOR FORTY-EIGHT YEARS
LIBRARIAN OF COOPER UNION
DEC. 1, 1881 - DEC. 31, 1929

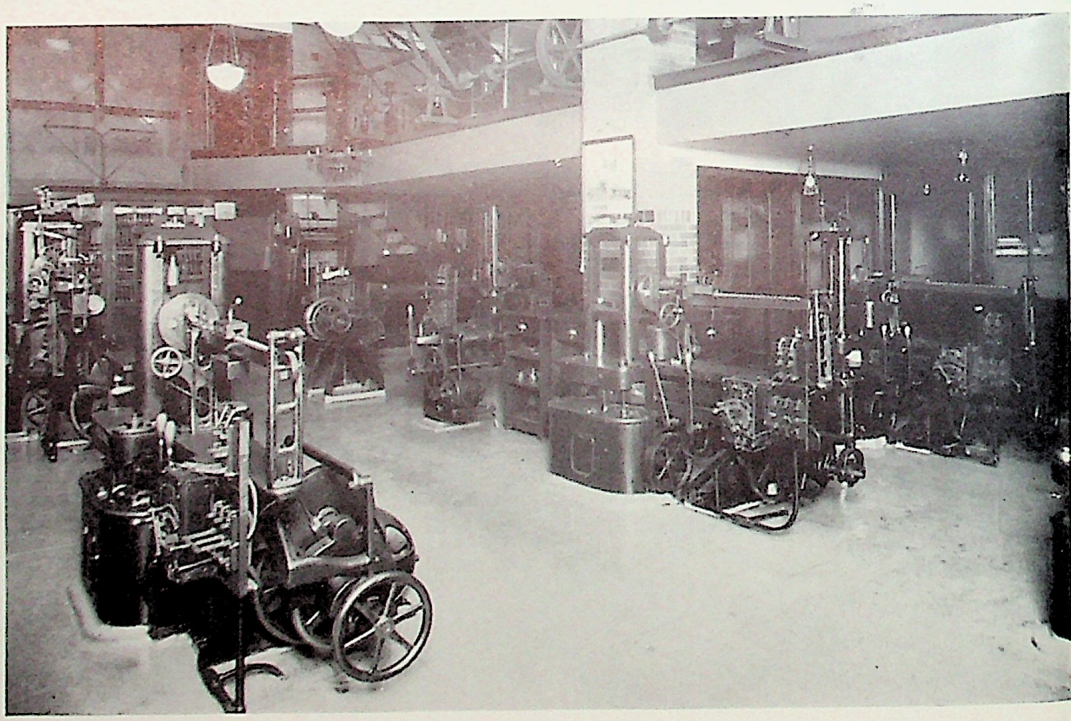
DEDICATION

STUDENTS' READING ROOM

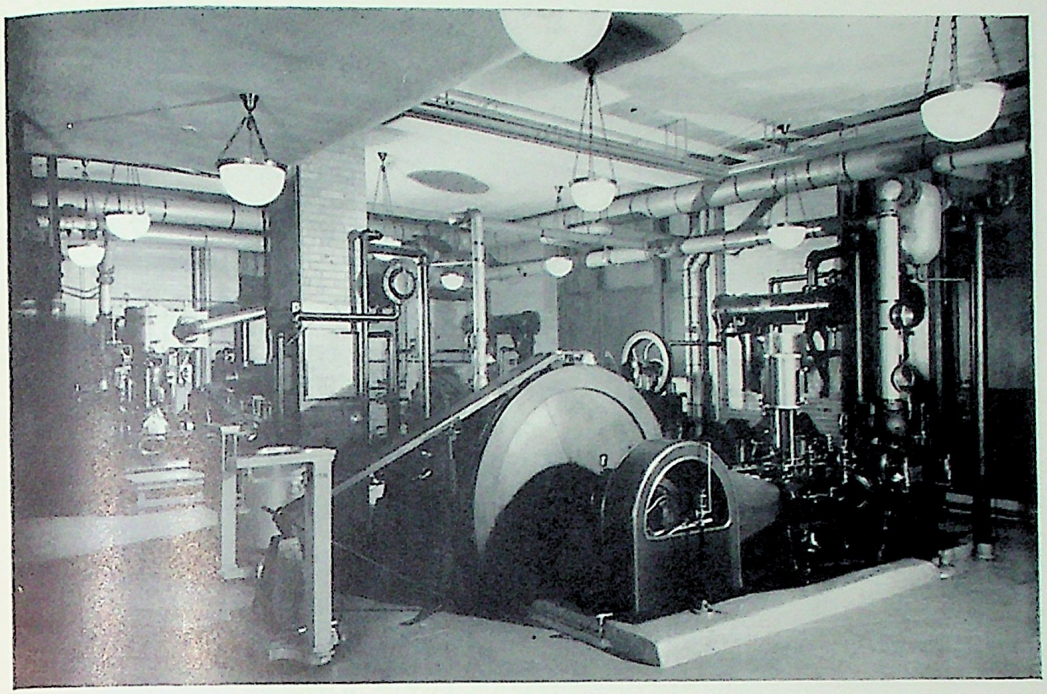
PUBLIC LIBRARY AND READING ROOM

FACULTY LOUNGE

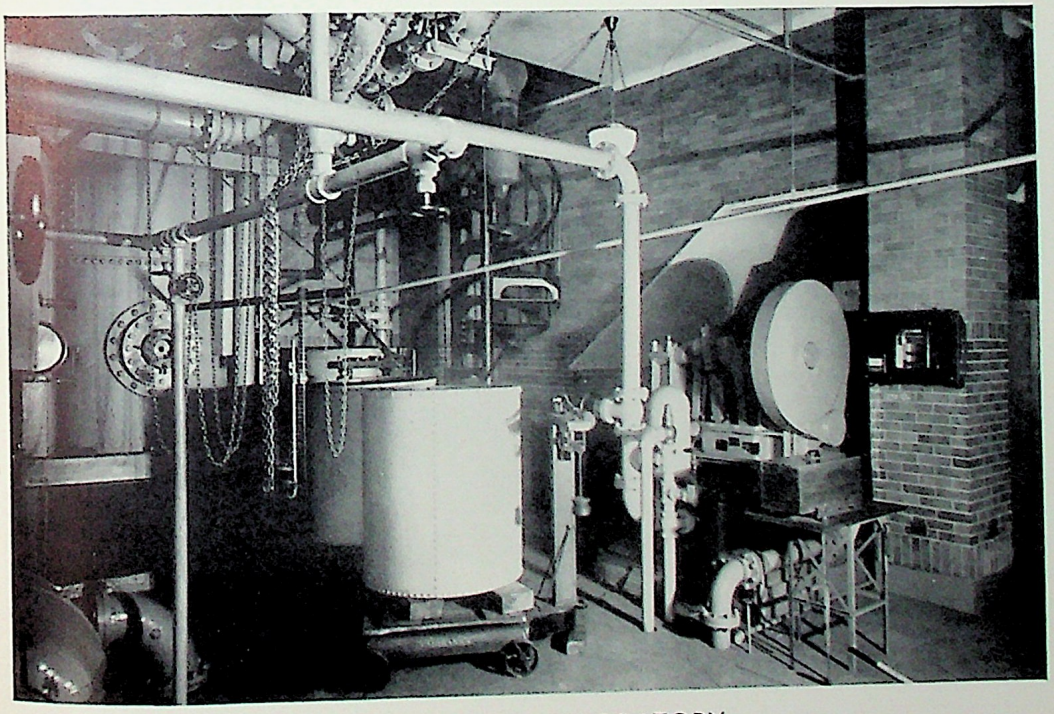
CHEMISTRY LABORATORY



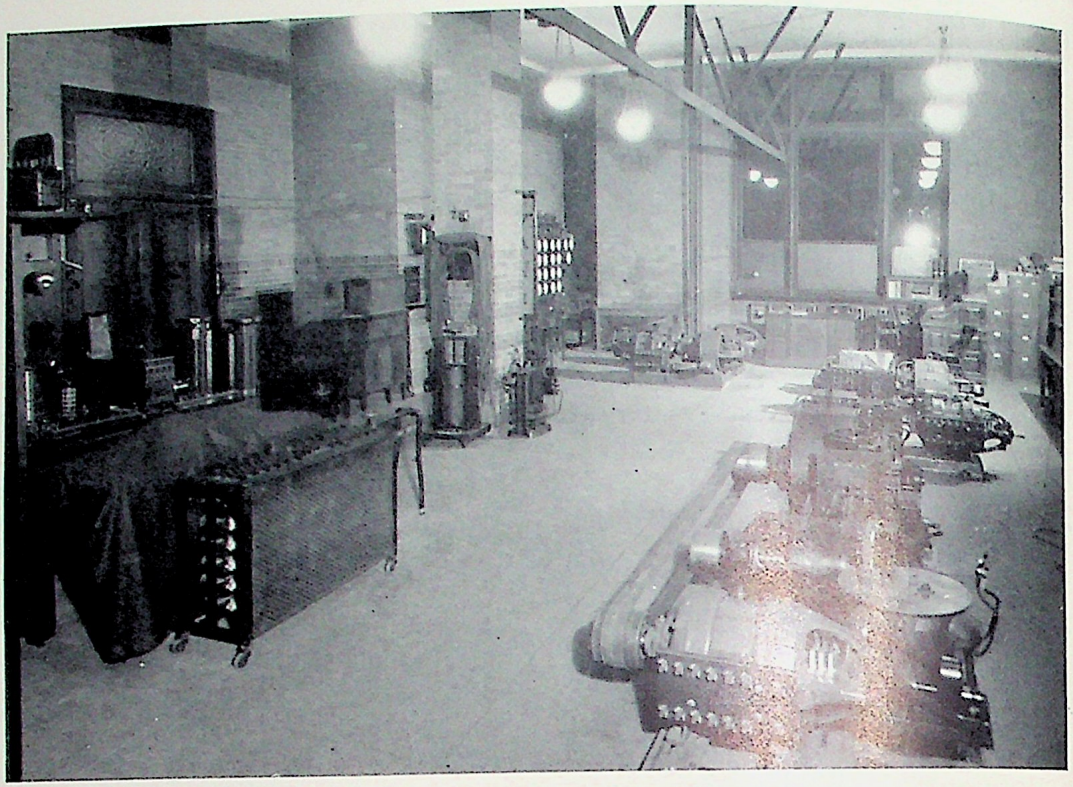
MATERIALS TESTING LABORATORY



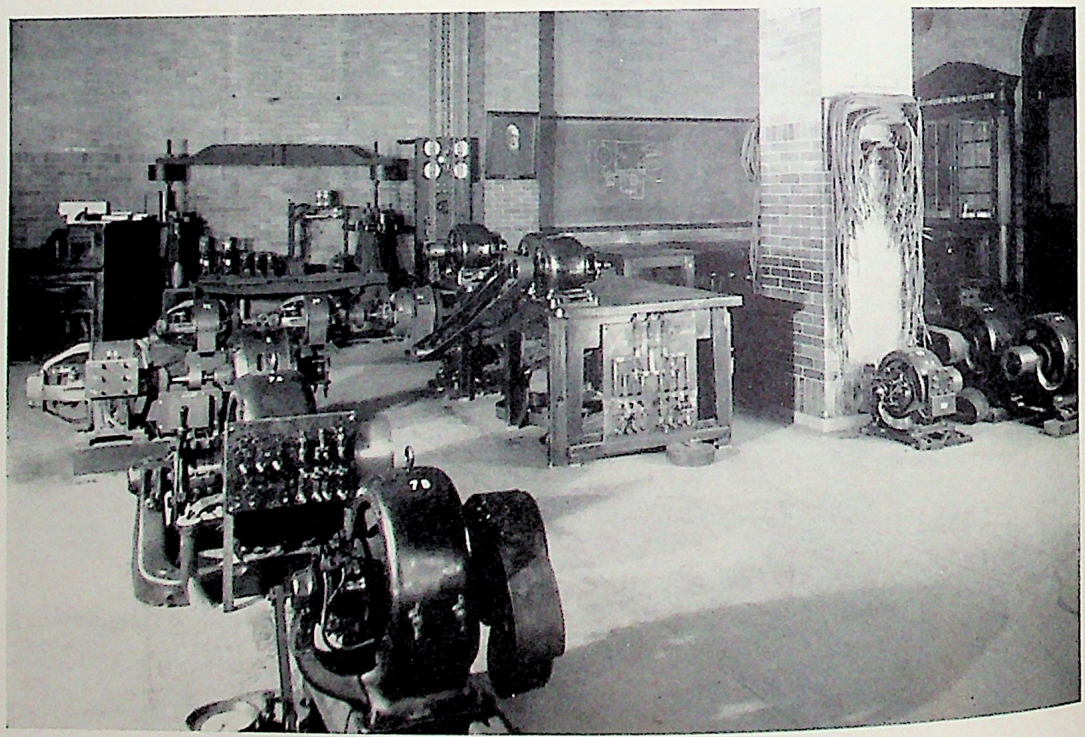
MECHANICAL ENGINEERING LABORATORY



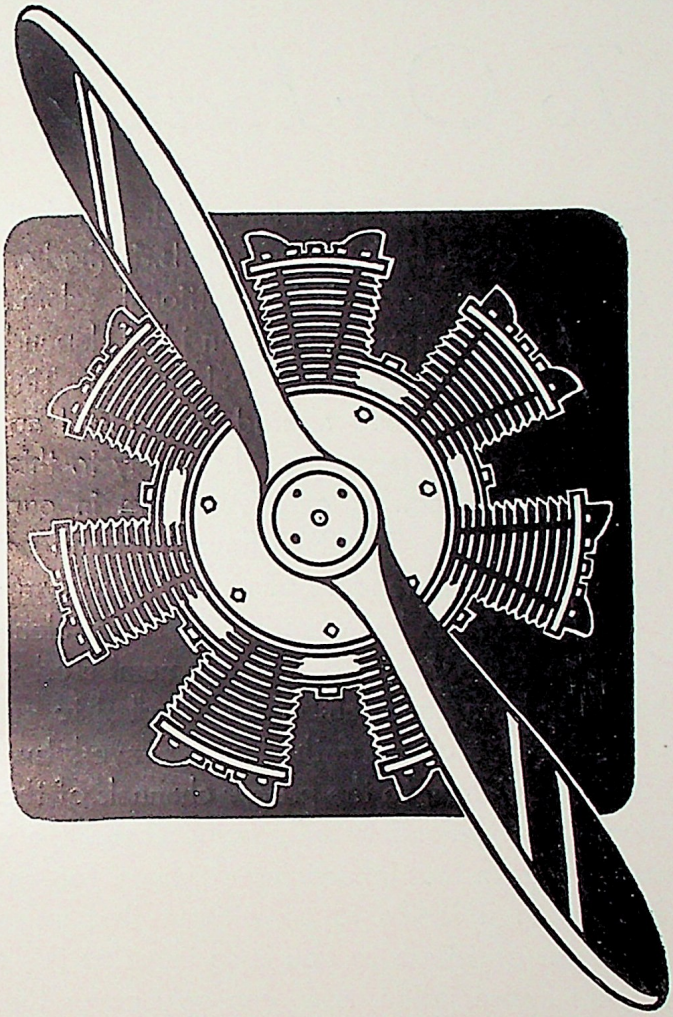
HYDRAULICS LABORATORY



A. C. MACHINES LABORATORY



D. C. MACHINES LABORATORY



THE FACULTY

To Our Faculty

THE sacred bond of understanding which exists between you, our teachers, and us, your pupils, is the heritage of ages of pedagogy. It is traditional, solemn and inviolate. Upon its preservation as an ideal depends the stability of the structure of educational pursuits. Time has modified and customs have altered its external appearance, but it lives and is perpetuated strongly to this day. And it is especially among ourselves, here in our own Cooper Union, that we find it so flourishing and potent. It has been your understanding of us and your sympathy for our ambitions which have brought us so far along the road of life in these few, ever-to-be-remembered years. Hope has been born anew, ambition enkindled to greater intensity and our aroused enthusiasms swayed by your wisdom and experience, to the proper channels of thought and action. It is difficult to fully comprehend the good you have done us in thus influencing our lives, for we shall never know what it is like to be without that influence. That is why our gratitude to you is so inept at this time. Our heartfelt appreciation, now, can only cover the few years spent with you. But, nevertheless, we shall and do try to thank you, for we are grateful.

The Cooper Union for the Advancement of Science and Art

R. FULTON CUTTING
President

PERCY R. PYNE, JR.
Treasurer

EDWARD L. REHM
Secretary

Trustees

R. FULTON CUTTING
J. PIERPONT MORGAN
GANO DUNN
ELIHU ROOT, JR.
WALTER S. GIFFORD

THE LATE FRANCIS M. HARTMANN

Francis M. Hartmann

Dean of the Schools of Engineering and Professor of Electrical Engineering

B.S. (Five Year Course in General Science), Cooper Union, 1895; graduate (Course in Chemistry), Cooper Union, 1898; post-graduate work in physics under Professor Anthony, 1898-99; E.E., Cooper Union, 1903; post-graduate work in mathematics, New York University, 1902-03.

Fellow: American Institute of Electrical Engineers; American Association for the Advancement of Science; American Geographical Society. Member: American Society of Mechanical Engineers; American Physical Society; American Mathematical Society; Society for the Promotion of Engineering Education.

Author: Elementary Mechanics; Heat and Thermodynamics; Alternating Currents and Electrical Transmission; Contributions to Electrical Review; Biographical Sketch of George W. Plympton.

Appointed:

Instructor of Physics, Cooper Union Night School in 1899.

Instructor of Physics and Electrical Engineering in Day and Night Schools in 1901.

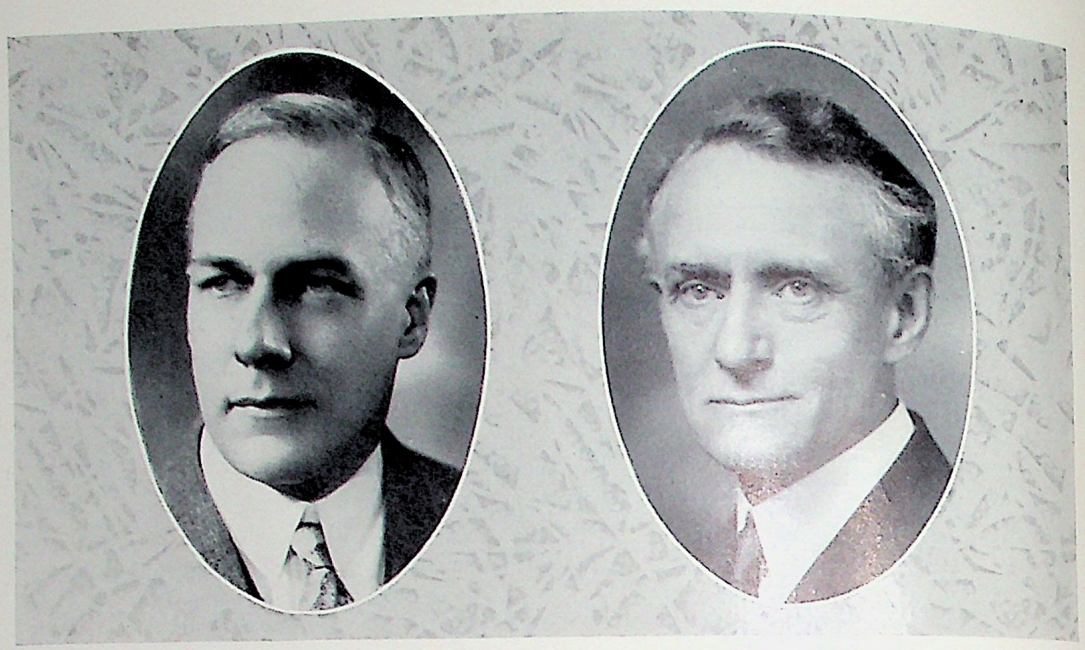
Assistant Professor of Physics and Electrical Engineering in 1905.

Professor of Physics and Electrical Engineering in 1906.

In charge of the combined departments of Electrical and Mechanical Engineering from 1907 to 1925.

Dean of the Schools of Engineering, October, 1921.

Professor Hartmann has taken a very active part in cooperating with the late Professors Anthony and Spice in developing the Day Technical Courses into distinctive four-year courses in Engineering. One of his most notable achievements was the taking charge at Cooper Union in 1900 of the then existent two-year course for electrical workers and developing it into the present Five-Year Course in Electrical Engineering. Professor Hartmann has, from the time of his appointment on the faculty at Cooper Union, worked incessantly and successfully in conforming with the words of Peter Cooper, "the establishment and maintenance of a thorough polytechnical school, which school shall, as far as possible and as soon as possible, be made equal to the best technological schools now established or hereafter to be established."



Department of Chemical Engineering

Professor

ALBERT B. NEWMAN, A.B., B.Ch.E., M.S., Ph.D.

Sigma Chi, Phi Lambda Upsilon, Sigma Xi, Iota Alpha; A.B., 1910; B.Ch.E., 1911; M.S., 1926; Ph.D., 1928; University of Michigan; Member of American Institute of Chemical Engineers, American Chemical Society, University of Michigan Club of New York, Fellow of American Association for the Advancement of Science.

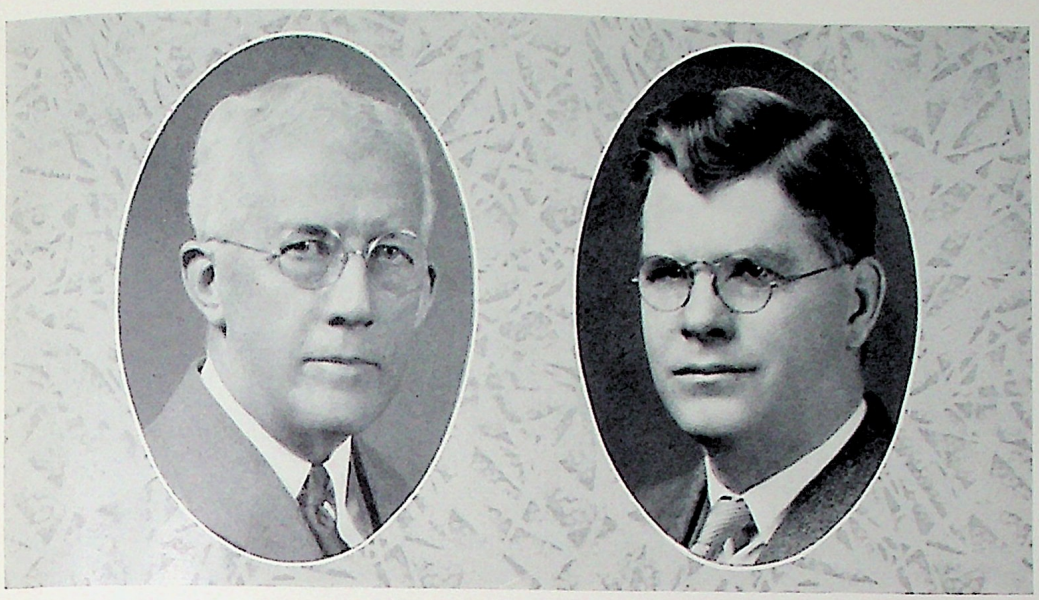
Assistant Professor

HENRY C. ENDERS, A.M., Ch.E.

Omega Delta Phi; B.C., Cooper Union, 1906; A.M., Columbia University, 1920; Ch.E., Cooper Union, 1922; Past President of Cooper Union Chemical Society; Past President of Cooper Union Alumni Association; Member of American Chemical Society; Vice-President of N. Y. State Society of Professional Engineers; Member of Committee of Law and Ethics; Member of Committee of Nominations; N. Y. Chapter of State Society of Professional Engineers; Fellow American Association for the Advancement of Science; Associate Member American Geographical Society; American Institute of Chemical Engineers.

Instructors

CHRISTIAN WEAVER, B.C.
JAMES COULL, B.Sc., A.M.
HARVEY HUGG, B.S.
ALLAN L. TARR, S.B.
NICHOLAS FALLENBERG, Lab. Asst.
FRANCIS P. CAREY, B.S.
HENRY B. HOPE, Ch.E.
RAYMOND SZYMANOWITZ, B.S.
EDWARD CANNON, Chem. Asst.
HENRY J. GOLLE, Lab. Asst.
RAYMOND J. F. KUNZ, B.S.



Department of Civil Engineering

Professor

FREDERICK E. FOSS, A.M., Sc.D.

Phi Beta Kappa, Phi Kappa Phi; A.B., Bates College, 1883; A.M., Bates College, 1886; B.S., Massachusetts Institute of Technology, 1886; Sc.D., Bates College, 1908; Member of American Society of Civil Engineers, American Railway Engineering Association, American Society for Testing Materials, Society for the Promotion of Engineering Education.

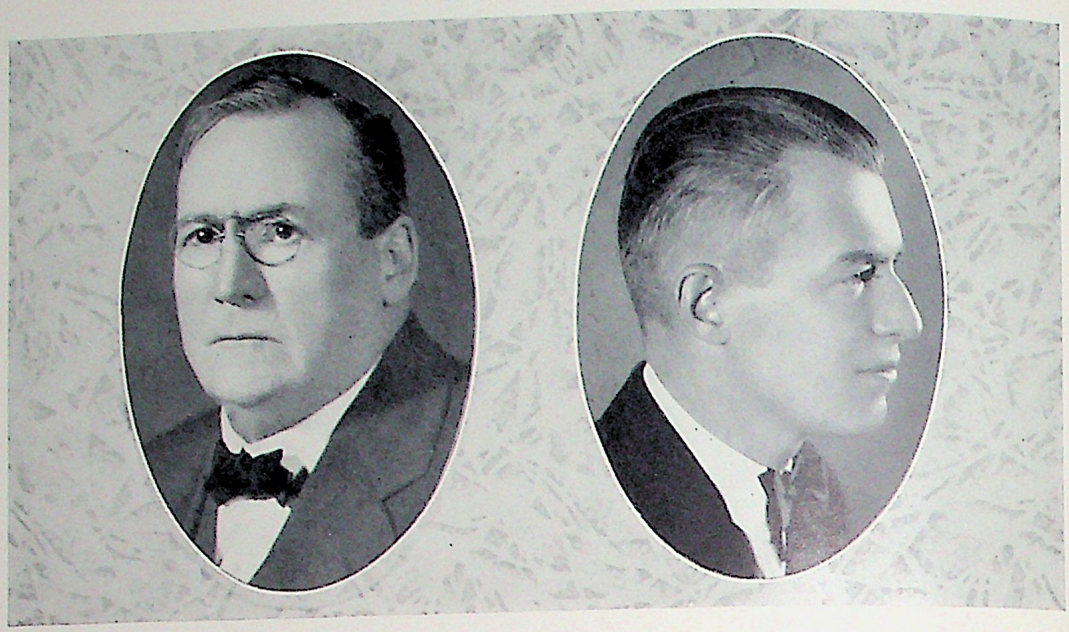
Assistant Professor

RAY C. BRUMFIELD, B.S.

Tau Beta Pi; B.S., Purdue University, 1912; Member of American Society for Testing Materials, American Society for Steel Treating, Society for the Promotion of Engineering Education, Committee on Hardness Testing, A.S.S.T., Chairman Standardization Committee, A.D.T.A.

Instructors

GILBERT MORRISON, B.S., C.E.
L. PEREZ, B.S.
C. O. ROTH, JR., B.S.
J. P. WILLIAMS, B.S., M.S., C.E.
WILLIAM E. BROWN, B.S.
M. H. VAN BUREN, B.S., C.E.
JAMES P. O'DONNELL, M.S.



Department of Electrical Engineering

Professor

FRANCIS M. HARTMANN, B.S., E.E.

B.S. (Scientific Course), Cooper Union, 1895; Graduate (Chemistry), Cooper Union, 1898; E.E., Cooper Union, 1903.

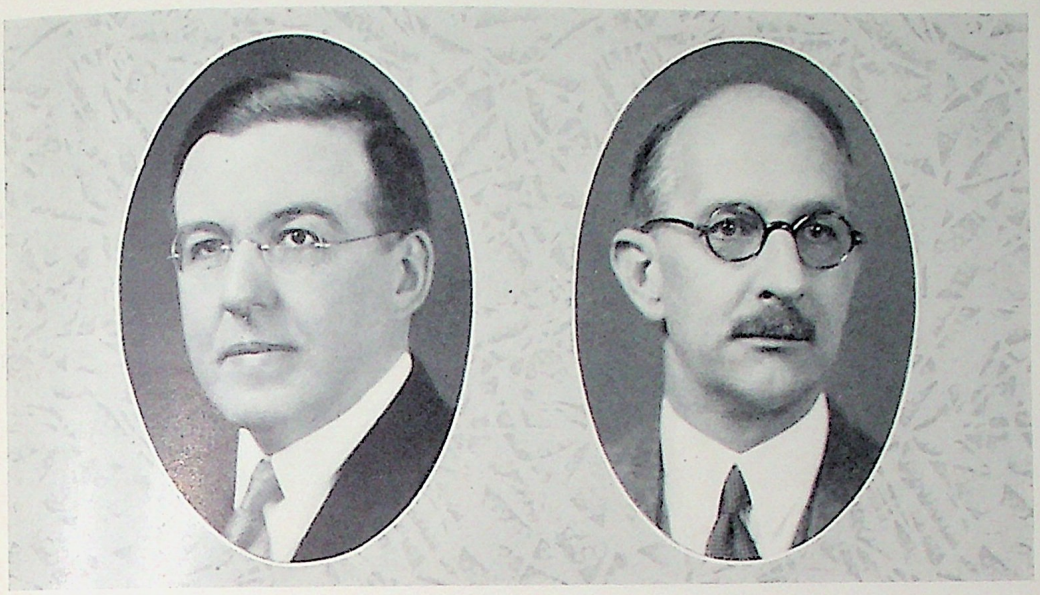
Assistant Professor

NORMAN L. TOWLE, B.S., E.E.

Tau Beta Pi; Sigma Xi; Sigma Alpha Epsilon; B.S., in Electrical Engineering, 1917; E.E., 1920, Worcester Polytechnic Institute; Graduate Study and Research, Westinghouse Electric and Manufacturing Co., 1917-1918; Engineer, Westinghouse Electric and Manufacturing Co., 1918-1919; Iowa State College, 1919-1920; in Charge of Electrical Laboratories, Cooper Union; Member: American Institute of Electrical Engineers, Society for the Promotion of Engineering Education.

Instructors

A. J. B. FAIRBURN, B.S., A.M.
F. HOWARD TALLMAN, B.S.
ALBERT GOERTZ, B.S., C.E.
HENRY SCHERIL, B.S., E.E.
H. C. KOENIG, B.S., E.E.
B. ALGER, B.S.
C. G. KRUEGER, B.S.
CHARLES ZELLER
NILS G. WILLEN, B.S.
GEORGE QUINN, E.E.
ERNEST STARR, E.E.



Department of Mechanical Engineering

Professor

GEORGE F. BATEMAN, B.E., M.E.

B.S., Cooper Union Day School of Technical Science, 1907; Fellow: American Association for the Advancement of Science; Member: American Society of Mechanical Engineers, Society for the Promotion of Engineering Education, The Newcomen Society, Library Board of the Engineering Societies Library, and of its Executive Committee, American Engineering Standards Committee (Sectional Committee on Symbols and Abbreviations); Secretary, Alumni Federation of Cooper Union; Manager, Cooper Union Alumni Employment Bureau.

Instructors

H. F. ROEMMELE, B.S.
E. A. SALMA, B.S.
W. O. ENTENMANN, B.S., M.E.
C. F. PIHLBLAD, Mechanician
O. G. GERDIN, B.S.
H. C. OTTEN, B.S., E.E.
W. T. PETERSON, B.S.
C. A. ADAMS, Lab. Asst.

Department of Machine Design

Professor

CARL ROSSMASSLER, B.S.

B.S. (Scientific Course), Cooper Union, 1895; Graduate (Chemistry) Society of Mechanical Engineers, Society of Automotive Engineers, Engineers Club of Philadelphia.

Instructors

OTTO G. PULLER, B.S.
C. H. YOUNG
JOHN W. LANGGUTH, B.S.
AUSTIN H. CHURCH, M.E.

Schools of Engineering

COMMITTEES OF THE FACULTY

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PROF. A. BALL — PROF. C. C. BRIGHAM
MR. WARREN G. FINDLEY

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PROF. F. E. FOSS — PROF. A. B. NEWMAN

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Committee on Schedules

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PROF. N. L. TOWLE

Night Art School

Art Director
AUSTIN PURVES, JR.

COMMITTEES OF THE FACULTY

Architecture
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FRANCIS W. ROUDEBUSH HAROLD M. HEATLEY

Drawing
JULIUS JOSEPH CARLO CIAMPAGLIA

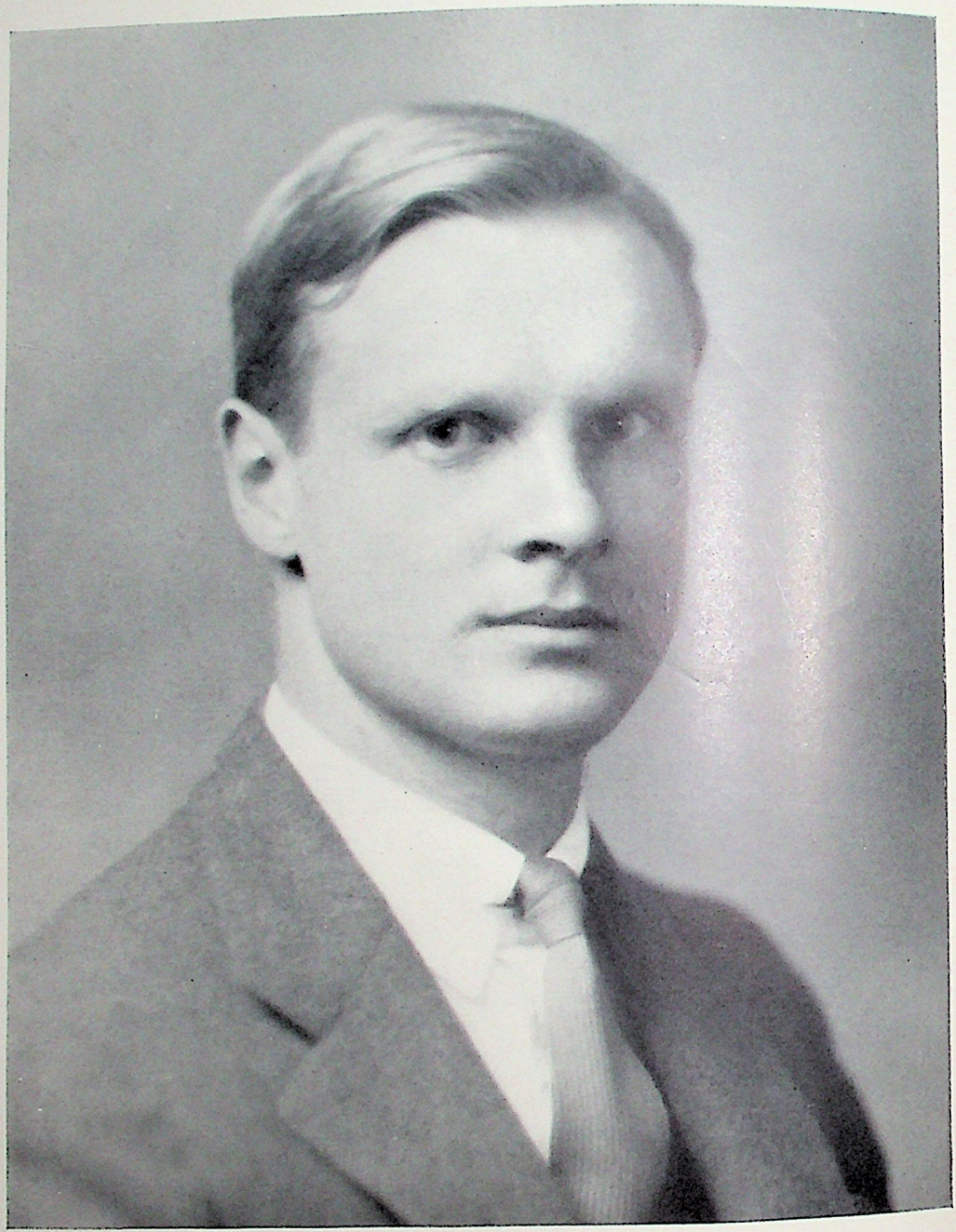
Design

Furniture
HENRY A. GOLDSMITH

Commercial
FREDERIC EHRLICH

Costume
ETHEL TRAPHAGEN

Modeling
GAETANO CECERE



AUSTIN PURVES, JR.

Austin Purves, Jr.

Art Director

NIGHT AND WOMEN'S ART SCHOOLS

Schools attended: Pennsylvania Academy of Fine Arts, Philadelphia, Pa.; Julian Academie, Paris, France; American Conservatory, Fontainebleau. Member of the Architectural League of New York, Guild of the Tiffany Foundation, and Society of Mural Painters. Received honorable mention from the Architectural League of New York in 1926 for proposed frescoes for Church of Montarlot, France. Former instructor at: School of Industrial Art, Philadelphia; Yale School of Fine Arts, New Haven, Connecticut; Grand Central School of Art, New York City; National Academy of Design, New York City. Recent Commissions completed: Folger Shakespeare Library, Washington, D. C., Mural Painting of George Washington at the Battle of Fort Necessity, for the Washington Bi-Centennial.

Night Art School

ARCHITECTURE

EDWARD A. MILLER, Supervisor

FRANCIS W. ROUDEBUSH
BRUCE RABENOLD
HAROLD M. HEATLEY
BEN KENNETH WYATT
ADRIEN L. BEINEIX
EDWIN A. ACKER
GEORGE H. FERRENZ
CASPER P. COLLA
SAMUEL ENTWISTLE
THOMAS E. McMULLIN
ROBERT S. HUTCHINS
VESPUCCI PETRONE

Librarians

FRIEDA KATZKI
EDWARD S. McCLENAHAN

FREE HAND DRAWING

CARLO CIAMPAGLIA
W. E. B. STARKWEATHER
H. D. RAMSDELL
CLEMENS FINLEY
JULIUS JOSEPH
FAUST AZZARETTI

DECORATIVE ARTS

Commercial Design

FREDERIC EHRLICH
GUSTAV KROLL

Pencil Technique

THOMAS MULRANE

Furniture Design

HENRY A. GOLDSMITH

COSTUME DESIGN AND ILLUSTRATION

ETHEL TRAPHAGEN
CONSTANCE REED

Sculpture

GEORGE T. BREWSTER

Modeling

GAETANO CECERE

Woman's Art School

WOMAN'S ART SCHOOL

AUSTIN PURVES, JR. ..... Art Director
ISABEL C. CUTLER ..... Principal
ROSE MAGLOFF ..... Librarian
ISABEL W. McNEELY ..... Secretary

Drawing

VICTOR PERARD, Supervisor

CHARLES L. HINTON
MARGARET COWAN
ALGOT G. STENBERY
CATHERINE B. HELLER

Decorative Design

JEANNE W. LOUD, Supervisor

MILDRED H. MARTIN
HARRY E. WARREN
ALEXANDER BONANNO

Sculpture

GEORGE T. BREWSTER, Supervisor

CHARLES H. RUDY

Pictorial Design

DE ALTON VALENTINE, Supervisor

WALTER M. WESTERVELT
DUNBAR D. BECK

Costume Design

ETHEL H. TRAPHAGEN, Supervisor

Special Lecturer

E. BALDWIN SMITH

Aviation

THE Cable theme is usually a saga of some worldly progress intimately related to Cooper Union and its scholars. The prominence of Aviation in the civilization of today is manifested in its universal appeal, and, up to the present, it has been instrumental in creating quite a group of heroes for the public to applaud.

The utility of the airplane in connection with operations of war has been demonstrated far beyond question. Its roles in this sphere of activity have been manifold. It has superseded the cavalry as the eyes of the army, directing artillery fire and infantry campaigns to the best advantage. Used as a tool of destruction, it has shown great potentiality because of its speed and ability to penetrate far behind enemy lines; but it is fervently hoped that this phase of the activities of aviation will become nil.

The adaptation of air navigability to commercial and industrial problems is well on its way to being solved. To date, planes have been profitably adapted to spread poison blankets over large crop acreages which were endangered by plant pests; for aerial photography which is replacing topographical surveying; to the prospecting and developing of natural resources of areas heretofore isolated by impassable terrain, by keeping open a means of transporting supplies quickly and cheaply; to ably guard our forests from its arch enemy, fire; and to facilitating business by speeding mail. In times of emergency and stress it has ably filled the role of the good samaritan by conveying medicine and relief to stricken areas.

The aeronautical activity occupying the center of the stage today, however, is the transportation of passengers and freight on a commercial scale and in such a manner as to be reliable, whatever the conditions of the air currents or state of weather.

As aviation writes its further history we expect to see the names of Cooper Union graduates as outstanding contributors to a growing industry.

ANGELO CASULLI

BOOK TWO

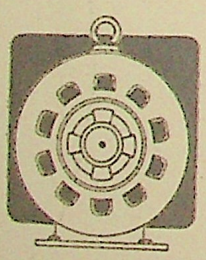
1932

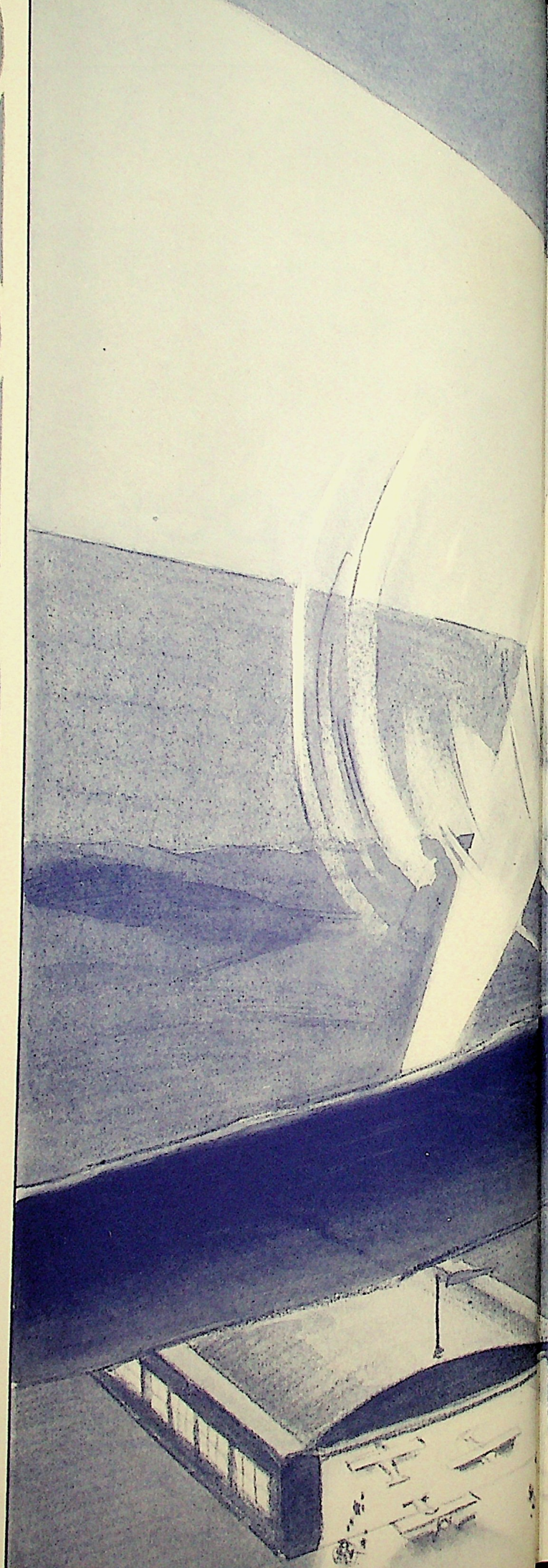
THE CLASSES

ELECTRICAL

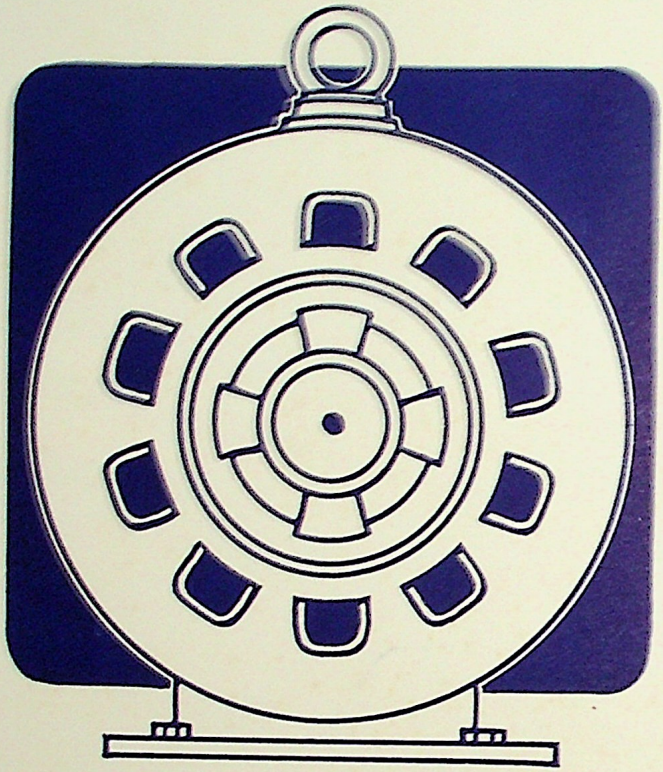
PROGRESS toward the ultimate goal in airplane transportation—"Safe Flight"—reflects major contributions from the field of electrical engineering. Through this great field of engineering, airports are illuminated, emergency fields adequately marked, route beacons generally established. The inductor compass, a child of electrical genius, provides reliability in keeping a straight course. The turn indicator and automatic control relieve the pilot from manual control of his ship. Radio provides communication between ship and airport, and on established routes, a positive check on course. Engine performance is made possible through electrical energy and is continuously checked by electrical instruments inherently suited to remote indicating duty. Electrical engineering will continue the march of progress in safe flight.

Norman L. Towle

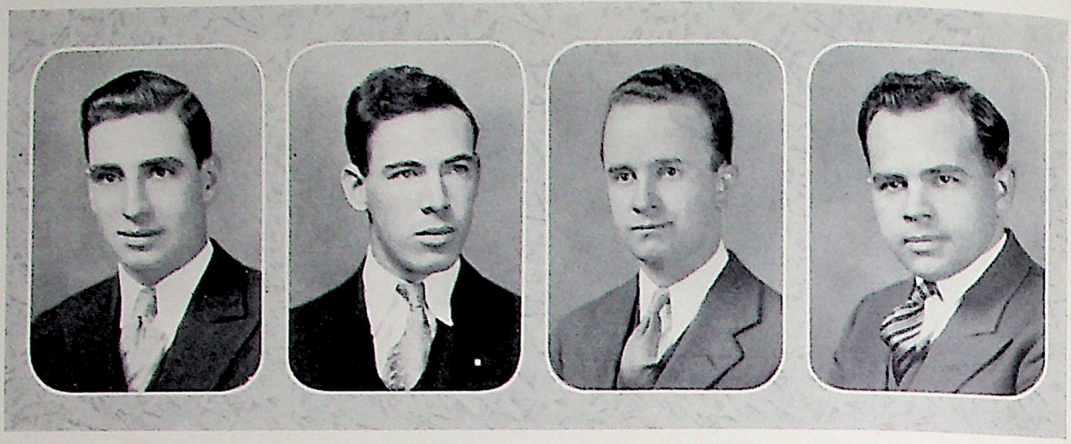




CABLE



CLASSES OF 1932



President	Vice-President	Secretary	Treasurer
GEORGE TUSCHER	RAYMOND J. LEARY	JOHN T. JACKMAN, Jr.	EDWARD S. TWEEDY

General Science

THROUGH five long years together, we have striven assiduously toward our goal, graduation. Now that our objective is about to be realized and commencement day is "just around the corner," it is fitting that we should take a few moments at this time to briefly review the story of the class since its inception in 1927.

This class was one of the largest General Science classes to enter Cooper Union and its present enrollment of over forty-five is a positive tribute to the calibre of the men of the class. The class was organized soon after the opening of school in 1927 and Paul R. Thornton was elected president. It was largely due to his arduous efforts that the class was launched so successfully on the sea of school activity.

Vincent Cody and Jeremiah Musilek led the class triumphantly through the next two years. While the only class activity each year was the annual party, nevertheless, the men of General Science were vital factors in the success of many of the school functions.

Under the leadership of John T. Jackman, Jr., the class was brought through the junior year with flying colors. The 1931 Cable was a masterpiece. The Junior Prom, run by the Day and Night School Juniors, was highly successful.

George Tuscher, our senior president, has proven a very capable leader. The Senior Hop was unquestionably the most colorful and the most successful event on the school calendar. The fifth renewal of our annual party is still to take place. We hope to make this an annual feature in the years to come.

Au revoir, Cooper Union, but not Good-Bye.

THE HISTORIAN.

WILLIAM BATTISTA, B. S.

"Bill"

Mechanical Engineering

Stuyvesant High School

A. S. M. E.; Newman Club; Pioneer, '30, '31.

WILLIAM C. BRASS, B. S.

"Bill"

ΩΔΦ

Civil Engineering

Bryant High School

A. S. C. E.; Class Entertainment Comm., '26, '27, '28; Tennis Club, '26, '27, '28; Class Vice-Pres., '27; Football, '27, '28, '29, '30; Football Mgr., '27, '28, '29; Gold Football, '29; Senior Hop Comm., '32.

ROBERT BURKE, B. S.

"Boik"

Civil Engineering

Brooklyn Technical High School

A. S. C. E.

VINCENT C. CODY, B. S.

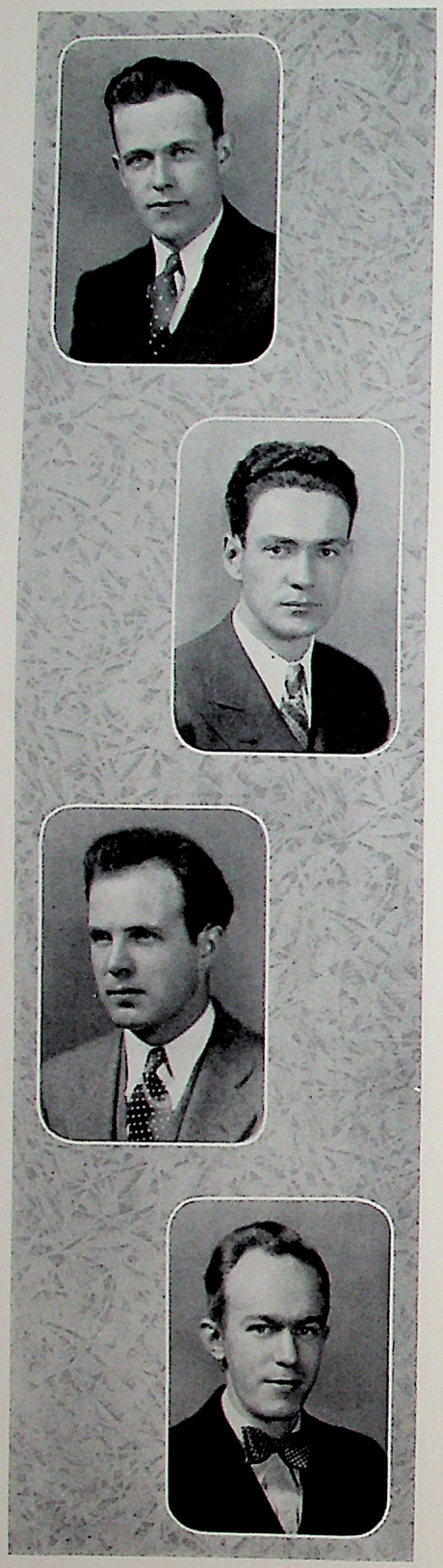
"Pop"

ΦΣΩ

Civil Engineering

Boro Prep School

A. S. C. E.; A. S. T. M.; C. U. N. S. C., '29; Newman Club; Class Pres., '29; Annual Affair Comm., '29; Class Vice-Pres., '30; Treas. Newman Club, '30; Class Sec'y, '31; Staff Editor of Cable, '31; Gold "C", '31; Ex Post Facto, '32.



CHARLES M. COUSENS, B. S.
"Chil"
Civil Engineering
Manual Training High School
A. S. C. E.

HERBERT V. DISNEY, B. S.
"Diz"
Civil Engineering
Baltimore Polytechnic Institute

WARREN W. DIXON, B. S.
"Dick"
Civil Engineering
East Orange High School

KNUT GIGSTAD, B. S.
"Ken"
Civil Engineering
Columbia University Extension
A. S. C. E.

JOSEPH R. GOMEZ, B. S.
"Joe"
Civil Engineering
Grangers Institute

ISIDORE S. GROSSMAN, B. S.
"Irv"
Civil Engineering
Hebrew Technical Institute
Cooper Union School of Architecture
A. S. C. E.; A. S. T. M.; Wrestling, '26, '27, '28, '29.

ROBERT GUILMETTE, B. S.
"Bob"
Civil Engineering

ROBERT GUMMERSON, B. S.
"Bob"
Civil Engineering
Carlsham High School
A. S. C. E.

JOHN T. JACKMAN, JR., B. S.

"Jack"

Mechanical Engineering

Nutley High School

City College of New York

A. S. M. E.; Chairman, Senior Hop, '32; Class Pres. '31; C. U. N. S. C., '31; Class Sec'y, '30, '32; Pres. '32; Vice-Pres. '31, Math Club.

EDWARD C. JELLINEK, B. S.

"Jelly"

Civil Engineering

New York University

EMIL U. JOHNSON, B. S.

"Emil"

Civil Engineering

Fordham High School

A. S. C. E.; A. S. T. M.

JACQUES LAITMAN, B. S.

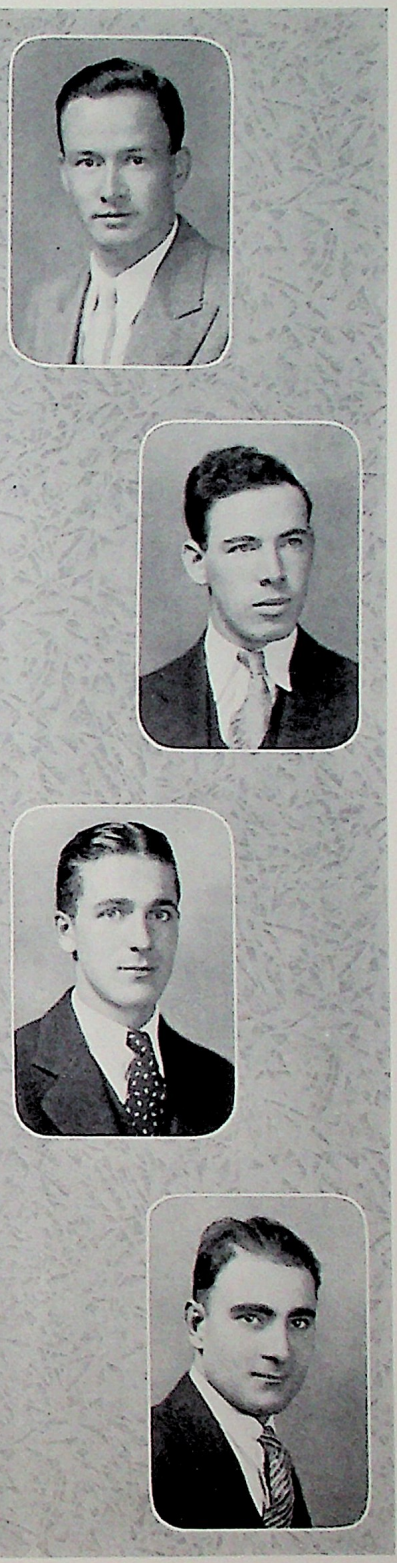
"Jack"

Mechanical Engineering

Brooklyn Evening High School

Pratt Institute

Handball, '28, '29, '30, '31.



CHARLES LASCIAK, B. S.
"Charlie"
Mechanical Engineering
New York Evening High School
A. S. M. E.

RAYMOND J. LEARY, B. S.
"Ray"
Mechanical Engineering
De Witt Clinton High School
A. S. M. E.; Newman Club; Class Vice-Pres., '29, '32; Handball, '28, '29, '30, '31; Mgr. Handball, '30; Treas., Junior Prom., '31; Treas., Senior Hop, '32.

CHARLES E. LUFFMAN, B. S.
"Charley"
ΣΑΠ
Mechanical Engineering
Columbia High School
A. S. M. E.

JAMES MACRI, B. S.
"Mac"
Civil Engineering
Bayonne High School

ANTHONY MELOMO, B. S.

"Tony"

Mechanical Engineering

New Utrecht High School

A. S. M. E.; Newman Club.

LOUIS A. MOLNAR, B. S.

"Looey"

Civil Engineering

De Witt Clinton High School

A. S. C. E.

JEREMIAH A. MUSILEK, B. S.

"Jerry"

ΩΔΦ

Civil Engineering

Vocational High School

Mechanics Institute

A. S. C. E.; Class Treas., '29; Class Pres., '30; Treas., C. U. N. S. C., '30; Annual Comm., '30; Gold "C", '30; Football, '29, '30; Ass't. Football Mgr., '30; Gold Football, '30; Business Mgr. of Cable, '31; Ex Post Facto, '32; Senior Key Comm., '32.

ARTHUR E. POST, JR., B. S.

"Arty"

ΣΑΠ

Mechanical Engineering

Curtis High School

A. S. M. E.

EDGAR H. SCHMIDT, B. S.
"Smitty"
Mechanical Engineering
Hebrew Technical Institute
A. S. M. E.

JOSEPH H. SCHNITZBAUER, B. S.
"Schnitzie"
ΩΔΦ
Civil Engineering
Mechanics Institute
Washington Irving Evening High School
A. S. C. E.; A. S. T. M.

ABRAHAM SOLOV, B. S.
"Abe"
Mechanical Engineering
Stuyvesant High School
Stevens Tech.
A. S. M. E.; Entertainment Comm., '29.

FRANK R. SPINKA, B. S.
"Frank"
ΩΔΦ
Civil Engineering
Charlotte Hall Military Academy
Washington College

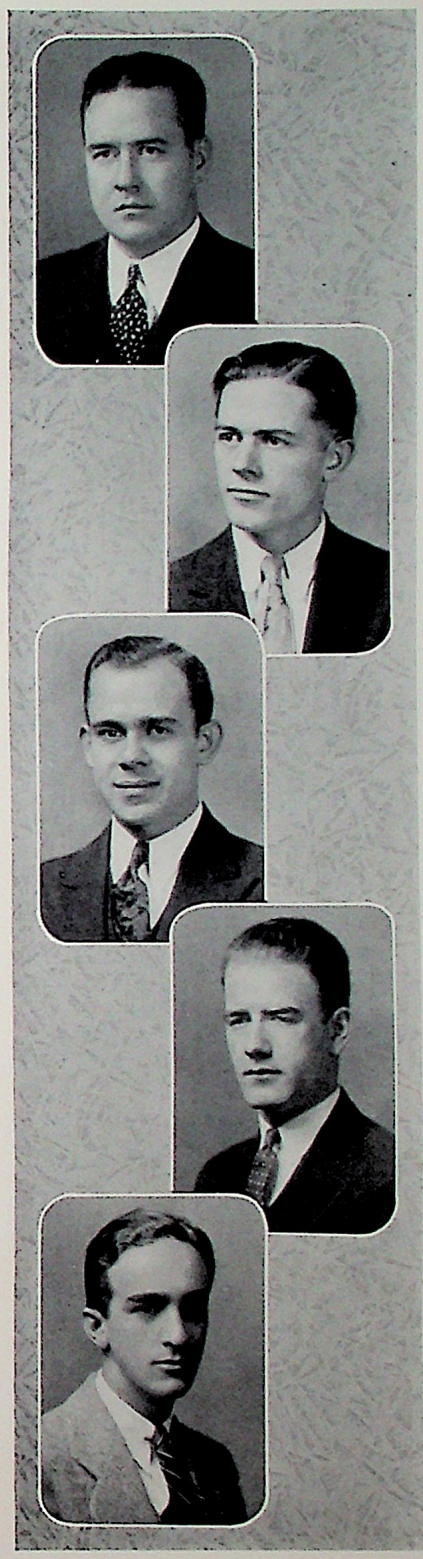
President	Vice-President	Secretary	Treasurer
CHARLES F. STEWART	EDWIN A. KUENZLER	FRED J. RICHTER	JAMES J. QUINN

Electrical Engineering

AS this book comes off the press it sets down a permanent record of the activities that have occurred during the past scholastic year. Is it not fitting and proper that we, who have spent five years within the portals of our Alma Mater, should devote just this small portion of the book to bid farewell to all those who have done their best to equip us for the battles of life to come? We cannot individually thank each one, for that would be inadequate for their efforts, so as a whole, we wish to simply say "our sincere gratitude and appreciation" with a whole-hearted meaning. Our instructors will always remain in our memories as the friends and helpers they have tried so hard to be.

The activities of the class as a whole have been many, and the will to participate in them is shown by the fact that members of this class hold positions capably expressing their abilities of leadership such as the presidency of the Student Council, Manager of the Athletic Organization, Staff Editor of the school paper and many others which space does not permit naming. The Senior Hop, the class affairs and the school Annual Dance all show the powerful ability of the students of this graduating class to raise social activities to outstanding features of success. As a final mention, it is to the credit of such a class to say that among its members it numbered almost half the staff of the previous year's book, "The Cable." In this brief insight, we cannot give credit to any individual, for each and every one has done his part to leave behind the spirit of friendship and good will. Have they failed? We do not think so.

THE HISTORIAN.



WILLIAM A. ANDERSON, B. S.
"Andy"
ΦΣΩ
Electrical Engineering

JOHN F. BATEMAN, B. S.
"Rugged"
ΦΣΩ
Electrical Engineering
East Orange High School
Football, '26, '30; Captain, Football, '30; Pres. C. U. N. S. C., '31; Pres., A. O., '31.

JACK BELZER, B. S.
"Jack"
Electrical Engineering
Brooklyn Evening High School
A. I. E. E.

PETER V. BRUNCK, B. S.
"Pete"
Electrical Engineering
Hoboken High School

JAMES A. CRAIG, B. S.
"Jimmy"
Electrical Engineering
Hackensack High School

SAIM I. FETHI, B. S.
"Fethi"
Electrical Engineering
University of Valparaiso
Track, '25, '26; A. I. E. E.

FRANKLIN M. HAGER, B. S.
"Hagey"
Electrical Engineering
Brooklyn Technical High School

PAUL D. HOECKE, B. S.
"Hoke"
Electrical Engineering
Manual Training High School
A. I. E. E.

KASKEL KALLMAN, B. S.
"Kay"
Electrical Engineering
Stuyvesant High School

THOMAS F. KEARNEY, B. S.
"Tom"
ΦΣΩ
Electrical Engineering
Stuyvesant High School
Fordham University
A. I. E. E.

MALACHY J. KELLY, B. S.
"Mal"
Electrical Engineering
Sligo Preparatory School, Ireland
A. I. E. E.; Class Vice-Pres., '29, '30.

EDWIN A. KUENZLER, B. S.
"Ed"
Electrical Engineering
Emerson High School
Class Pres., '28; Class Sec'y., '30; Class Vice-Pres., '29, '32.

RAYMOND B. LEWTHWAITE, B. S.
"Ray"
Electrical Engineering
Hackensack High School
A. I. E. E.

MAURICE E. LOEWEL, B. S.

"Maurice"

Electrical Engineering

Bay Ridge Evening High School

ERNEST S. LUNDIE, B. S.

"Ernie"

ΦΣΩ

Electrical Engineering

Townsend Harris Hall

Class Pres., '29, '30; C. U. N. S. C., '29, '30, '31; Annual Dance Comm., '29, '30; Editor-in-Chief of Cable, '31; Chairman, Ex Post Facto, '32; Gold "C", '30, '31.

JULIAN A. McDERMOTT, B. S.

"Mac"

Electrical Engineering

Evander Childs High School

Class Treasurer, '30.

JOSEPH MICHAL, B. S.

"Mickey"

ΩΔΦ

Electrical Engineering

Stuyvesant High School

Track, '28, '29; Basketball, '28, '29, '30.

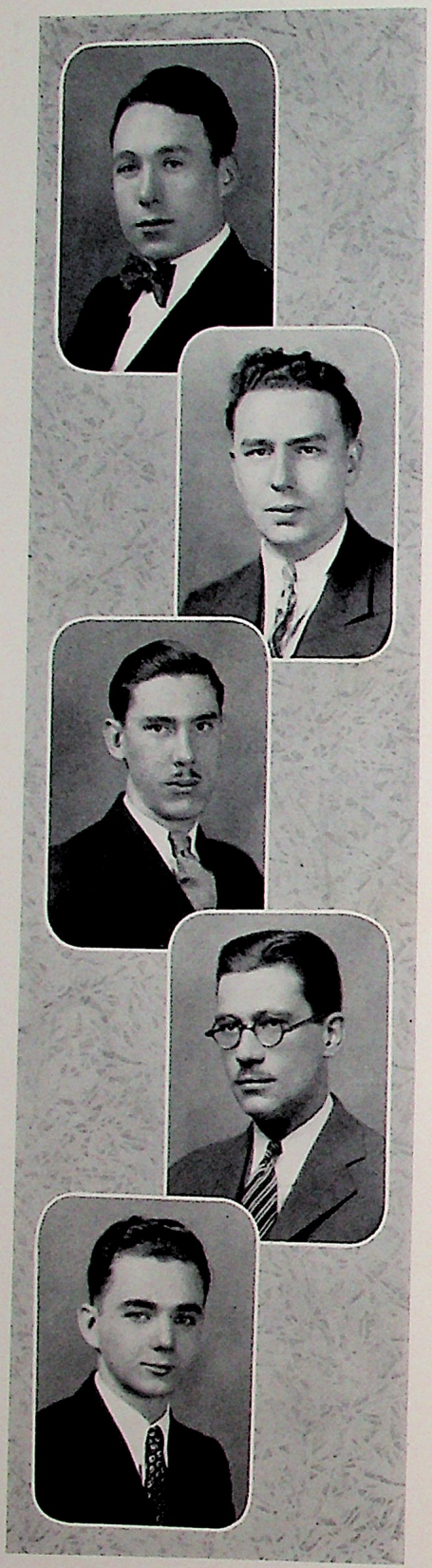
EMMANUEL NICHOLIDES, B. S.
"Nick"
Electrical Engineering
Morris High School

CHARLES H. NILES, B. S.
"Charlie"
ΣΑΠ
Electrical Engineering
A. I. E. E.; C. U. N. S. C., '27; Junior Prom. Comm., '29; Tech. Orchestra, '26, '29.

JOHN B. PAPPE, B. S.
"Johnny"
ΩΔΦ
Electrical Engineering
Stuyvesant High School

JOSEPH A. PASQUALE, B. S.
"Joe"
ΦΣΩ
Electrical Engineering

HARRY PERLSTEIN, B. S.
"Harry"
Electrical Engineering
Hebrew Technical Institute
A. I. E. E.; Class Sec'y., '30.



JAMES J. QUINN, B. S.

"Jimmy"

ΦΣΩ

Electrical Engineering

All Hallows Institute

A. I. E. E.; Track, '27, '28, '29, '30, '31; Class Treas., '32.

ROBERT S. REMINGTON, B. S.

"Rem"

Electrical Engineering

Central High School, Newark, N. J.

Class Treasurer, '27.

FREDERICK J. RICHTER, B. S.

"Ric"

ΦΣΩ

Electrical Engineering

De Witt Clinton High School

Class Secretary, '31, '32.

CHARLES SCHNEIDER, B. S.

"Big Boy"

Electrical Engineering

Stuyvesant High School

HERMAN T. SCHULZ, B. S.

"Schully"

Electrical Engineering

Stuyvesant High School

A. I. E. E.

STANLEY T. SLEZAK, B. S.

"Slakey"

ΦΣΩ

Electrical Engineering

A. I. E. E.; Basketball, '25, '26, '28, '29, '30, '31, '32; Circulation Mgr. of Cable, '31; Interclass Basketball, '26; Sec'y., A. O., '30; Ass't. Basketball Mgr., '30; Basketball Mgr., '31; Gold "C", '31; Ex Post Facto, '32; Pres. A. O., '32; Pres. C. U. N. S. C., '32; Pioneer Night Sports Editor, '32.

CHARLES F. STEWART, B. S.

"Charley"

Electrical Engineering

Stuyvesant High School

N. Y. State Institute of Agriculture

Class Pres., '27, '32; Chairman Junior Prom. Comm., '32; Chairman Night Annual, '32.

MARTIN TOMACHECK, B. S.

"Genius"

Electrical Engineering

Stuyvesant High School

SYLVAN Van BLERKOM, B. S.

"Van"

Electrical Engineering

RALPH W. WINDRUM, B. S.

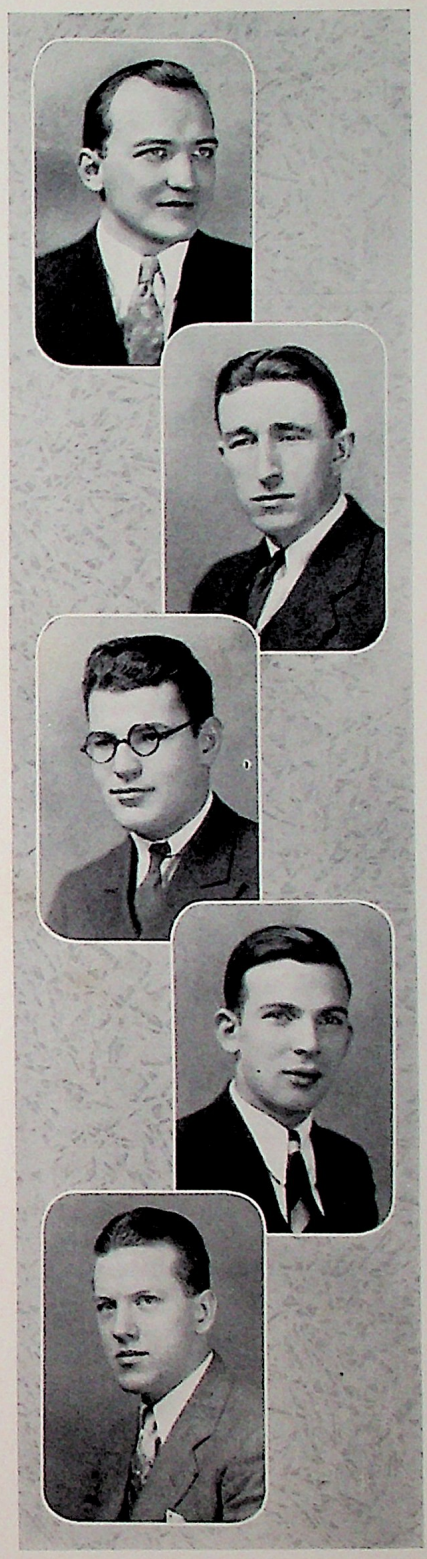
"Windy"

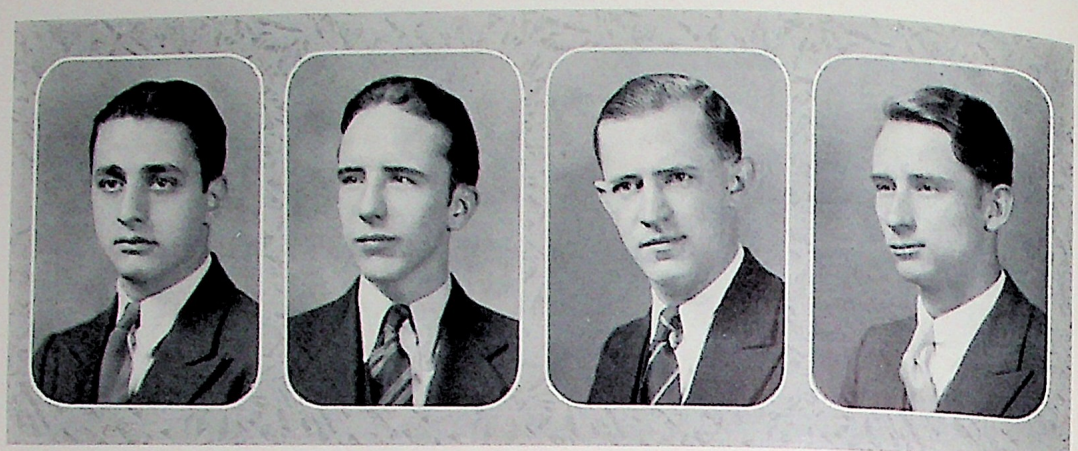
ΦΣΩ

Electrical Engineering

Manual Training High School

Class Pres., '31; Photo Editor of Cable, '31; Gold "C", '31; C. U. N. S. C., '31; Junior Prom. Comm., '31; Ex Post Facto, '32.





President
MARTE PREVITI

Vice-President
JAMES E. LOUGHLIN

Secretary
JOSEPH MROWKA

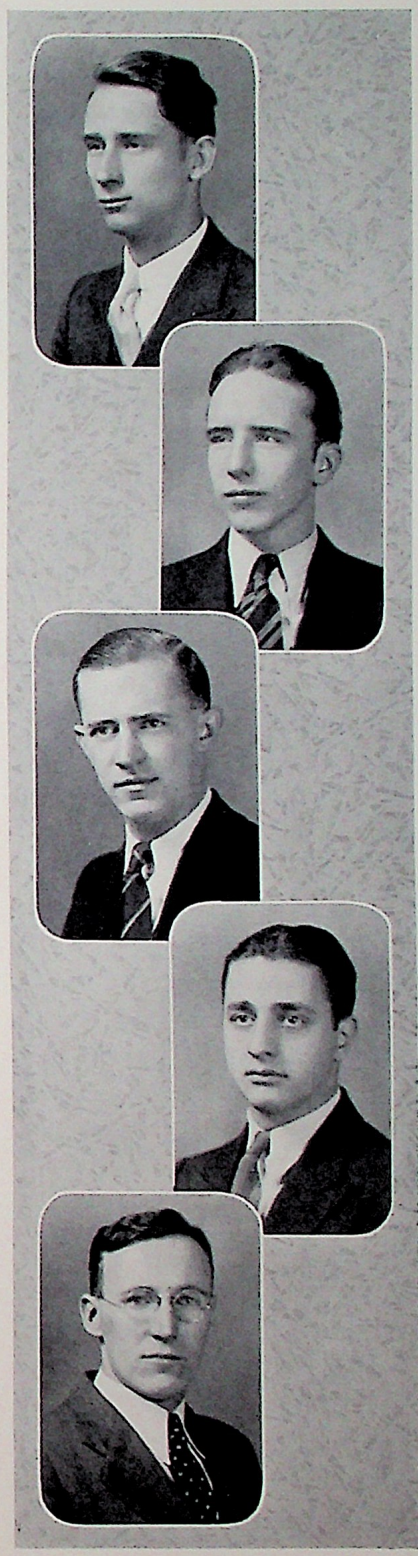
Treasurer
HOWARD T. DUFFY

Chemical Engineering

FIVE years ago we entered the portals of this school—a group of eager young men; eager to acquire knowledge and eager to associate ourselves with the great Cooper Union. Since that time, much of our eagerness has been dissipated and much of our awe of this great school has been displaced by an easy familiarity with its buildings, teachers and departments. It is to be lamented that we cannot carry through our five years that delicious feeling of half-frightened awe and expectation which we experienced in our freshman year.

In our first few weeks we numbered twenty-five embryonic Chemical Engineers. Sad to say, only four of us have weathered the painful metamorphosis. In spite of the almost insignificant membership remaining, we feel that we can say with pardonable pride that those men who are still here may some day become pillars of the Chemical Engineering Industry. The four remaining men in the class deserve a little personal mention, if only for the very diminutive size of their class. Marte Previti brings to our minds thoughts of board meetings, frat meetings, staff meetings and all the other extra curricula activities. Howard Duffy is remembered for his interest in and knowledge of things mechanical. Joe Mrowka we remember for his hair-raising escapades on his one-lung motor bike, and Jimmy Loughlin for his work on the Junior Prom and Senior Hop, as well as for winning the Organic Chemistry Prize.

THE HISTORIAN.



HOWARD T. DUFFY, B. S.

"Duff"

Chemical Engineering

Murray Hill Vocational School

Class Vice-Pres., '28; Class Pres., '29, '30; Math Club, '28, '29, '30, '31, '32; Class Treas., 32.

JAMES E. LOUGHLIN, B. S.

"Jimmy"

Chemical Engineering

Central High School

Class Vice-Pres., '31; Class Sec'y., '30; Sec'y. Junior Prom., '31; Senior Hop, '32.

JOSEPH MROWKA, B. S.

"Joe"

Chemical Engineering

Bushwick High School

A. I. Ch. E.; Class Treas., '31; Junior Prom. Comm., '31; Class Sec'y., '32.

MARTE PREVITI, B. S.

"Marty"

ΩΔΦ

Chemical Engineering

Curtis High School

A. I. Ch. E.; Pres., '32; Class Sec'y.-Treas., '29; Class Vice-Pres.-Sec'y.-Treas., '29, '30; Class Pres., '31, '32; Athletic Editor of Cable, '31; C. U. N. S. C., '31, '32; Annual Dance Comm., '31; Gold "C", '31; Senior Hop Comm., '32; Chairman Gold "C" Comm., '32; Ex Post Facto, '32.

ROBERT H. SCHIMPFF, B. S.

"Bob"

ΩΔΦ

Chemical Engineering

Ridgewood High School, N. J.
Baseball, '27, '28.

President
JOHN J. LANIGAN

Vice-President
SIDNEY LEVY

Secretary
JACK BALIFF

Treasurer
THEO. KALISHER, JR.

Institute of Technology

IT is well nigh four years since we first came to Cooper and now the time approaches for us to depart. We wait for commencement with a peculiar feeling of joy and sorrow. Joy at the prospect of finding a place in the engineering profession—to wrest recognition and gain from an unsympathetic world, and to bring further glory to the name of Peter Cooper; and sorrow to leave the scenes of four happy years of our lives.

It is with a sad heart that we face the possible discontinuance of our pleasant friendships among the students and faculty. But we hope to keep warm the fires of friendship and fellowship which were kindled and fed in the pleasant environment of Cooper's classes and functions.

Like the classes before us, we have tried to uphold and support the traditions and institutions of Cooper Union. We have supported the publications, the athletic teams, the clubs and the social functions, and have stoutly maintained the high scholastic standards of our school, so that we face the world armed with the knowledge and training necessary for success.

Youth is optimistic. We all expect to get good positions and to keep them. Some of us hope to do great things. If only one or two of us attain prominence, we will have paid our debt to Peter Cooper. We all want to show our gratitude, however, by making the world a little better place in which to live, which, we think, is the prime object of the engineer.

THE HISTORIAN.

JACK BALIFF, B. S.

"Jack"

ΛΣΚ

Mechanical Engineering

Stuyvesant High School

A. S. M. E.; Pi Sigma; Class Pres., '29; Class Vice-Pres., '31, '32; Student Council, '29, '32; Pioneer Staff, '29, '30; Math Club, '31; Junior Prom. Comm., '31; Rifle Club, '29, '30, '31, '32; Rifle Team, '32; Tech Dance Comm., '32; Gold "C", '31.

ERIC BEHN, B. S.

"Eric"

ΩΔΦ

Electrical Engineering

Alexander Hamilton High School

A. I. E. E.; Math Club; Student Council, '29; Class Sec'y., '30; Interclass Basketball, '30; Basketball, '31, '32; Rifle Club, '32; Scholarship, '30, '32.

CHESTER W. BRADSHAW, B. S.

"Chet"

ΩΔΦ

Electrical Engineering

Highland Falls High School

Fordham University

A. I. E. E.; Math Club; Scholarship, '31.

DAVID BRIANSKY, B. S.

"Dave"

Electrical Engineering

Brooklyn Technical High School

A. I. E. E.; Math Club.

WILLIAM J. BURNS, B. S.

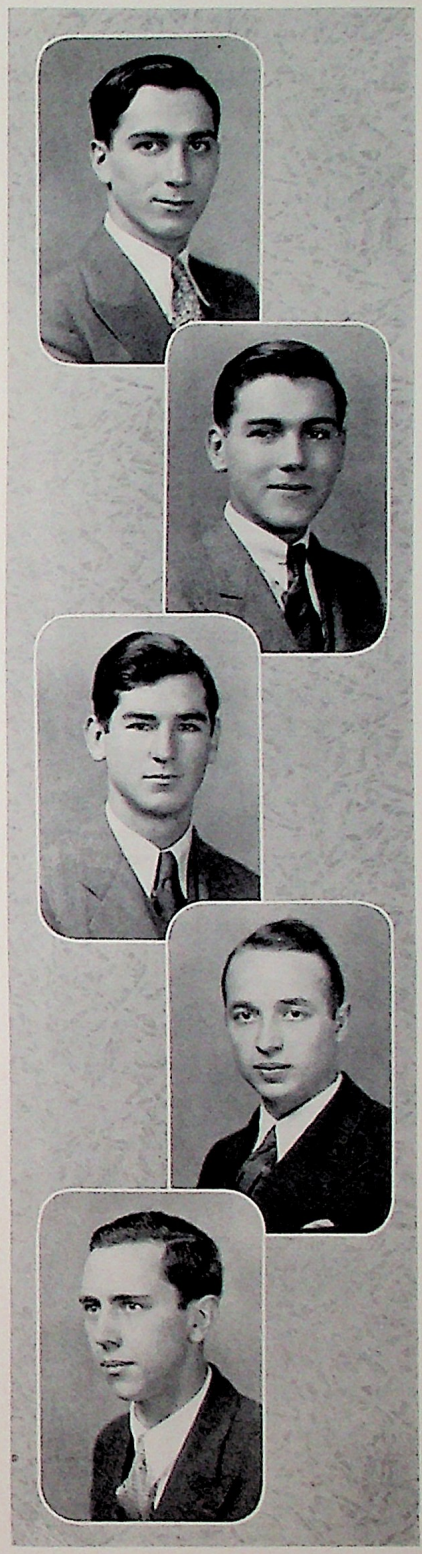
"Bill"

ΣΑΠ

Electrical Engineering

Port Washington High School

Student Council, '29, '32; Inter-class Basketball, '30, '31; Math Club; Rifle Club.



HERMAN V. COTTONY, B. S.

"Doc"

ΜΑΟ

Electrical Engineering

Stamford High School

A. I. E. E.; Rifle Club; Math Club; Scholarship, '29, '30, '31, '32; Inter-class Basketball, '30; Pioneer Board, '30; Inter-class Rifle Team, '31, '32; Class Vice-Pres., '32; Student Council, '32.

NUBAR DINKJIAN, B. S.

"Dink"

Civil Engineering

West New York High School

A. S. C. E.; Math Club; Student Council, '30; Scholarship, '30, '31.

EMANUEL A. DRAGO, B. S.

"Manny"

ΑΣΚ

Civil Engineering

A. S. C. E.; Math Club; Student Council, '32; Baseball Team, '30, '31, '32; Mgr., '32; Major "C", '32.

WILLARD T. EDDY, B. S.

"Bill"

ΜΑΟ, ΣΑΠ

Mechanical Engineering

East Orange High School

A. S. M. E.; Sec'y., '31; Chairman, '32; Rifle Club, '29, '30, '31, '32; Rifle Team, '30, '31, '32; Sec'y., '30; Treas., '31; Math Club, '30, '31; Student Council, '30, '31; Tech. Dance Comm., '31; Basketball Ass't. Mgr., '31; Manager, '32.

WILLIAM C. FABRY, B. S.

"Will"

Civil Engineering

ALVIN M. GINSBERG, B. S.

"Al"

Electrical Engineering

Brooklyn Technical High School

A. I. E. E.; Math Club.

LOUIS D. GOLDFINGER, B. S.

"Lou"

ΛΜΣ

Chemical Engineering

New Utrecht High School

A. I. Ch. E.; Vice-Pres. A. I. Ch. E.; Math Club; Student Council, '29, '30, '31, '32.

HAROLD L. GREBE, B. S.

"Grebe"

ΣΑΠ

Electrical Engineering

East Side High School, Newark

A. I. E. E.; Math Club; Rifle Club.

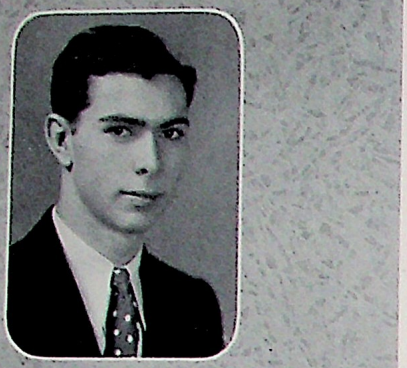
THEODORE KALISHER, JR., B. S.

"Ted"

ΛΣΚ

Electrical Engineering

A. I. E. E.; Math Club; Sec'y. Rifle Club, '29, Treas., '30, Pres., '31; Rifle Team Mgr., '32; Class Treas., '31, '32.



HENRY L. KAUNE, JR., B. S.

"Henry"

ΛΣΚ

Electrical Engineering

Yonkers High School

GENNADY KOSOLAPOFF, B. S.

"Kos"

Chemical Engineering

De Witt Clinton High School

A. I. Ch. E.; Pres. Math Club, '32; Tennis Team, '29, '31, '32; Scholarship, '29, '30, '31, '32.

MILTON L. LANGHAM, B. S.

"Milt"

Electrical Engineering

Rye Neck High School

A. I. E. E.; Math Club.

JOHN J. LANIGAN, B. S.

"Jack"

ΜΑΟ, ΛΣΚ

Civil Engineering

St. Francis Xavier Prep School

A. S. C. E.; Math Club; Rifle Club; Class Vice-Pres., '29, '30; Junior Prom Comm., '31; Class Basketball, '29, '31; Pres. Newman Club, '31; Class Pres., '31, '32; Student Council, '29, '32; Chairman Tech. Dance Comm:. '32; Treas. A. A., '32; Scholarship, '29, '30, '31, '32; Gold "C," '32.

SYDNEY LEVY, B. S.

"Sid"

Mechanical Engineering

Alexander Hamilton High School

A. S. M. E.; Math Club; Class Sec'y., '32; Student Council, '31, '32; Inter-Class Basketball, '31.

ALFRED J. MASTROPOLE, B. S.

"Al"

Electrical Engineering

George Washington High School

A. I. E. E.; A. S. T. M.; Rifle Club, '28; Math Club, '30, '31.

AUGUST B. MUNDEL, B. S.

"Gus"

ΑΣΚ, ΜΑΟ

Electrical Engineering

Stuyvesant High School

A. I. E. E.; Math Club; Rifle Club; Class Sec'y., '29; Student Council, '29, '31, '32; Scholarship, '30, '31, '32; Class Basketball, '31; Tech Editor of Cable, '31; Ex Post Facto, '32.

GEORGE C. NEUSCHAEFER, B. S.

"George"

ΛΣΚ

Electrical Engineering

James Monroe High School

A. I. E. E.; Math Club; Rifle Club; Pioneer Circulation Mgr., '31, '32; Scholarship, '31, '32.

WILLIAM J. O'DONNELL, B. S.

"Bill"

ΜΑΟ, ΛΣΚ

Civil Engineering

Stuyvesant High School

A. S. C. E., Sec'y., '31, Pres., '32; Class Treas., '30; Student Council, '30, Pres., '32; Newman Club, '29, '30; Treas., '31; Pioneer, '29, Tech. Circ. Mgr., '30; Tech. Dance Comm., '30; Tech. Circ. Manager of Cable, '31; Gold "C", '31; Chairman Gold "C" Comm., '32; Scholarship, '29, '30, '31, '32; Ex Post Facto, '32.

ALEXANDER F. RAPISARDA, B. S.

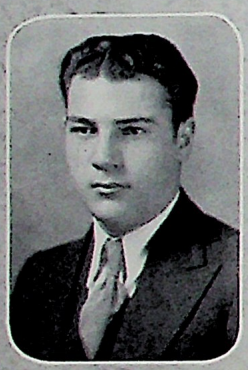
"Al"

ΛΣΚ

Electrical Engineering

Stuyvesant High School

Rifle Club; Math Club; Class Sec'y., '31.



GEORGE SHEMIN, B. S.

"George"

Electrical Engineering

Alexander Hamilton High School

A. I. E. E.; Math Club; Vice-Pres., A. A., '30; Pres., A. A. '31; Basketball, '29, '30, '31.

GEORGE H. STUMPF, B. S.

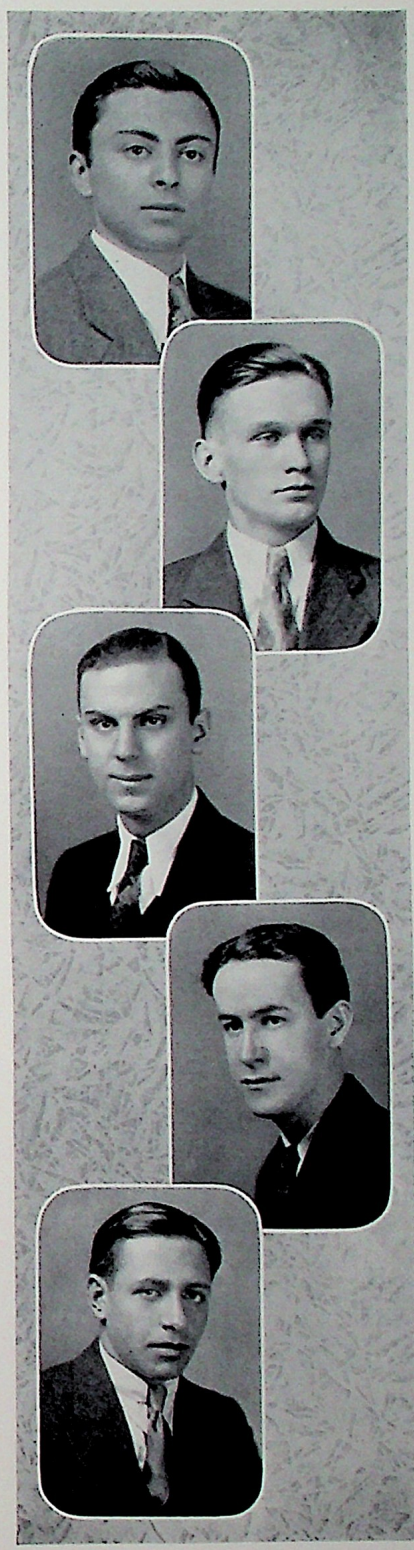
"George"

ΩΔΦ

Electrical Engineering

Stuyvesant High School

A. I. E. E.; Math Club.



JOSEPH TANNENBAUM, B. S.
"Joe"
Electrical Engineering
New Utrecht High School
Math Club.

HARRY C. TOWNSEND, B. S.
"Harry"
ΩΔΦ
Electrical Engineering
Middletown High School
A. I. E. E.; Math Club.

JOSEPH WALLACE, B. S.
"Dutch"
Electrical Engineering
De Witt Clinton High School
Pioneer, '30; Math Club.

FRANCIS X. WARD, B. S.
"Frank"
Civil Engineering
Morris High School
A. S. C. E.; Math Club; Newman Club

ABE ZEITZ, B. S.
"Abe"
Electrical Engineering
Thomas Jefferson High School
A. I. E. E.; Math Club; Student Council, '31; Basketball, '29, '30, '31, '32; Captain, Basketball, '32.

President
SOL. STRASSLER

Vice-President
J. MARRACCINO, JR.

Secretary
FRED M. SHEFFIELD

Treasurer
JOSEPH M. BOCCIO

Architecture

Freshmen we started in the year '28.
Not many could then draw a line straight.
Our thoughts of the future were quite immature,
Our goal was success in Architecture.

Freshman year past; ahead Sophomore,
Further, our aims did we explore.
With T-square, triangle, pencil and pen
We worked right along with the same view in end.

Juniors at last; and now for design,
All our own work on high to enshrine.
We showed Cooper Union that we were able
By making a success of our work and the Cable.

Seniors, almighty, graduation in view,
We find that we must but start anew.
Before us, Life's Battle is still to be fought,
But we'll win with the backbone Cooper Union has wrought.

THE HISTORIAN.

JOSEPH M. BOCCIO

"Joe"

ΛΣΚ

Architecture

Bryant High School

Class Treas., '31, '32; Student Council, '31, '32; Junior Prom. Comm., '31; Honorable Mentions, '29, '30, '31; Annual Dance Comm., '31, '32.

LAWRENCE F. BOCHINSKI

"Larry"

ΛΣΚ

Architecture

Boonton High School

Honorable Mention, '29, '30, '31.

PETER CIRINGIONE

"Pete"

Architecture

Roosevelt High School

A. C. C. U.; First Prize, '29; Honorable Mention, '30, '31.

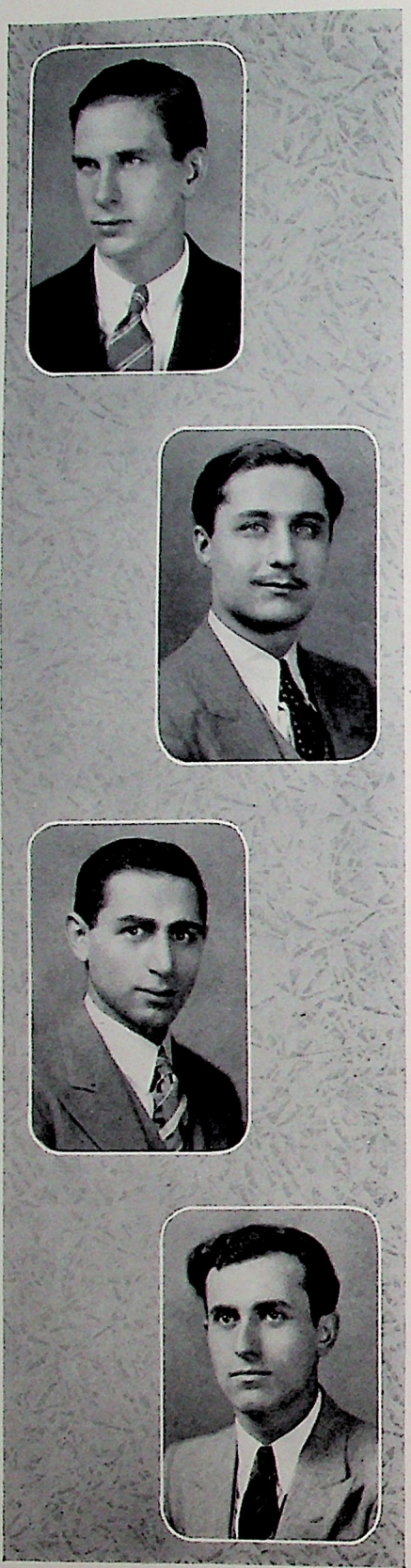
ANTHONY J. CORRADO

"Carideo"

Architecture

West Technical High School, Cleveland, Ohio

A. C. C. U.; Third Prize, '31; Honorable Mention, '31.



KEITH I. CRONSHEY

"Mongey"

ΛΣΚ

Architecture

Morristown High School

LESTER J. DAVIS

"Les"

Architecture

Stuyvesant High School

Class Treas., '29; Honorable Mention, '31; First Mention, '31.

JOHN De MARCO

"John D."

Architecture

Washington Irving Evening High School

A. C. C. U.; Honorable Mention, '31.

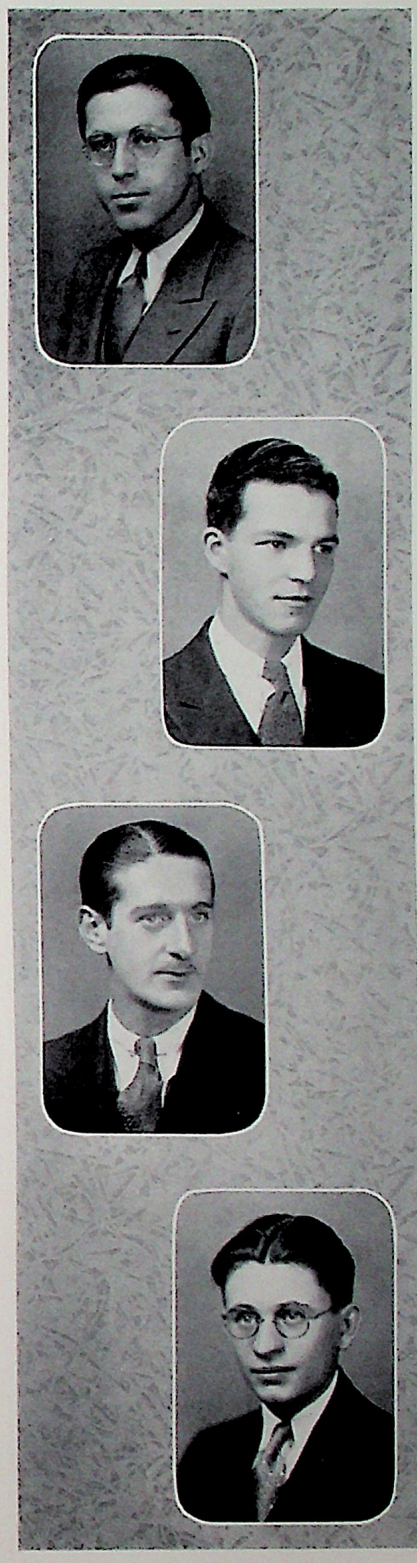
ANTHONY DI STASIO

"Tony"

Architecture

Port Chester High School

First Prize, '31.



BENJAMIN FEINSTEIN
"Feinie"
Architecture
Stuyvesant High School
Second Honorable Mention, '31.

JOHN J. FIGLOZZI
"Figgy"
Architecture
Manual Training High School
First Prize, '30; Second Prize, '31.

DAVID FISHER
"Fish"
Architecture
New Utrecht High School

JOSEPH FOLDING
"Doc"
Architecture
Stuyvesant High School
Class Sec'y., '30; Arch. Student Council, '30.

ENRICO P. FORLANO

"Henny"

Architecture

Stuyvesant High School

Basketball, '31, '32; Tennis Squad, '31, '32.

ARTHUR J. FREGOSI

"Hot Shot"

Architecture

Morris High School

A. C. C. U.

GEORGE D. GALLIE

"Gallay"

Architecture

St. Peters Prep.

Honorable Mention, '30; Second Prize, '31.

HYMAN GOLDMAN

"Staizes"

Architecture

Boys High School

LEONARD P. GOLOS

"Noisy"

ΛΣΚ

Architecture

Elmira High School

A. C. C. U.; Arch. Student Council, '29, '32; Basketball, '29, '30, '31, '32; Track, '29; Pioneer Board, '30, '31, '32; Editor-in-Chief, Pioneer, '32; Pi Sigma; Intercollegiate Newspaper Assoc. Award, '32; Annual Dance, '32; C. U. N. S. C., '32; Gold "C" Comm., '32; Sec'y., A. O., '32; Gold "C", '32; Sportsmanship Brotherhood; Gold Basketball, '32.

EDWIN HAMILTON

"Eddy"

Architecture

Tottenville High School

WILLIAM V. LEPETRI

"Bill"

Architecture

Abraham Lincoln High School

JAMES A. MARINO

"Jimmie"

Architecture

De Witt Clinton High School

JOSEPH MARRACCINO, JR.

"Gentleman Joe"

ΛΣΚ

Architecture

East Side Evening High School

Class Sec'y., '29; Class Pres., '30; Class Vice-Pres., '31, '32; Arch. Students Council, '29, '30, '31, '32; Vice-Pres., Arch. Students Council, '31; Arch. Cable Editor, '31; Gold "C", '31; Ex Post Facto, '32; Night Annual Comm., '32; Mention, '31; Hon. Mention, '31.

STEPHEN NAKOS

"Steve"

Architecture

New York Evening High School

Second Prize, '29; Honorable Mention, '30; First Prize, '31.

JULIUS E. PEDRESCHI

"Jules"

Architecture

Brooklyn Tech.

A. C. C. U.

ALFRED E. PRIVEN

"Otis"

ΛΣΚ

Architecture

Colby Academy

New Utrecht High School

HYMAN RIFKIN

"Hy"

Architecture

Seward Park High School

Honorable Mention, '31.

HENRY SACHER

"Snatcher"

Architecture

Yorkville Junior High School

A. C. C. U.; Basketball, '31.

JOHN L. SALZONE

"Juan"

Architecture

Stuyvesant High School

Honorable Mention, '30.

FREDERICK M. SHEFFIELD

"Sheff"

ΛΣΚ

Architecture

Carson Long Military Academy

Class Sec'y., '31, '32; Arch. Students Council, '31, '32; Senior Hop Comm., '32; Honorable Mention, '29, '30, '31.

CARL M. SCHWARTZ

"Carl"

Architecture

New Utrecht High School

City College of New York

LEWIS SILVERMAN

"LuLu"

Architecture

Brooklyn Technical High School

Class Secretary, '29.

IRWIN G. SOICHER

"Herk"

Architecture

Harlem Evening High School

City College of New York

SOL STRASSLER

"Duke"

Architecture

Thomas Jefferson High School

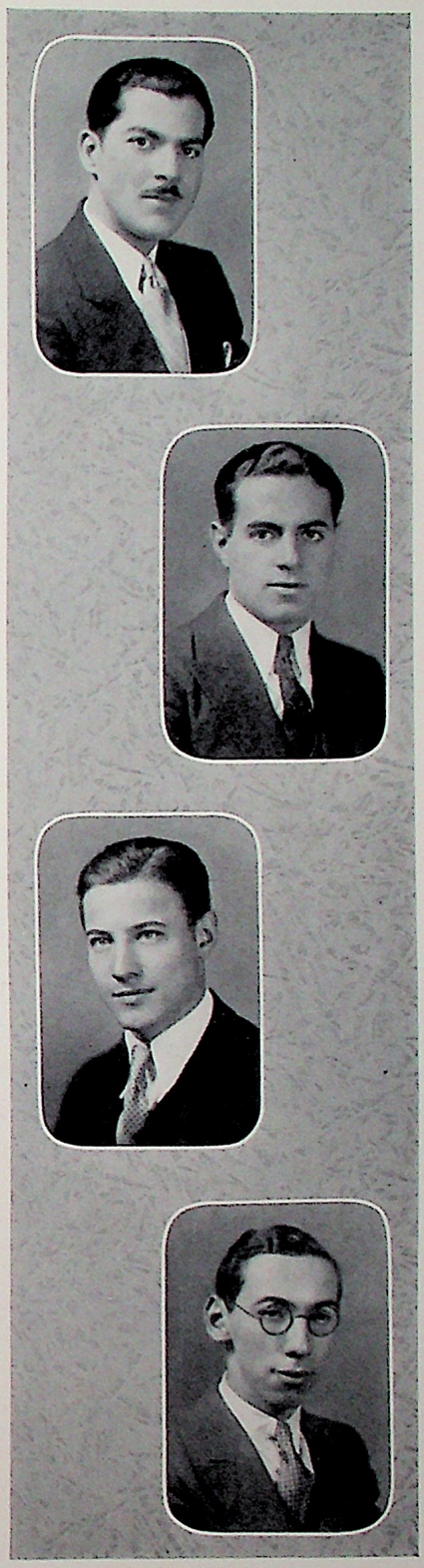
Baseball, '29; Junior Prom. Comm., '31; Class Pres., '32; Pres. Arch. Students Council, '32; Chairman Ent. Comm. Annual, '32.

THADDEUS TULISZEWSKI

"Tuli"

Architecture

Brooklyn Technical High School



JOSEPH TUMOLO
"Would-Ja"
ΛΣΚ
Architecture
Brooklyn Technical High School
First Mention, '31.

HARRY WEINSTEIN
"On Time Harry"
Architecture
Stuyvesant High School

FELIX S. WIELONSKI
"Tom"
ΛΣΚ
Architecture
Bushwick High School
Honorable Mention, '29, '31.

SAMUEL J. ZWILLING
"Sam"
Architecture
Hebrew Technical Institute
First Prize, '31; Honorable Mention, '31; Tennis, '31, '32.

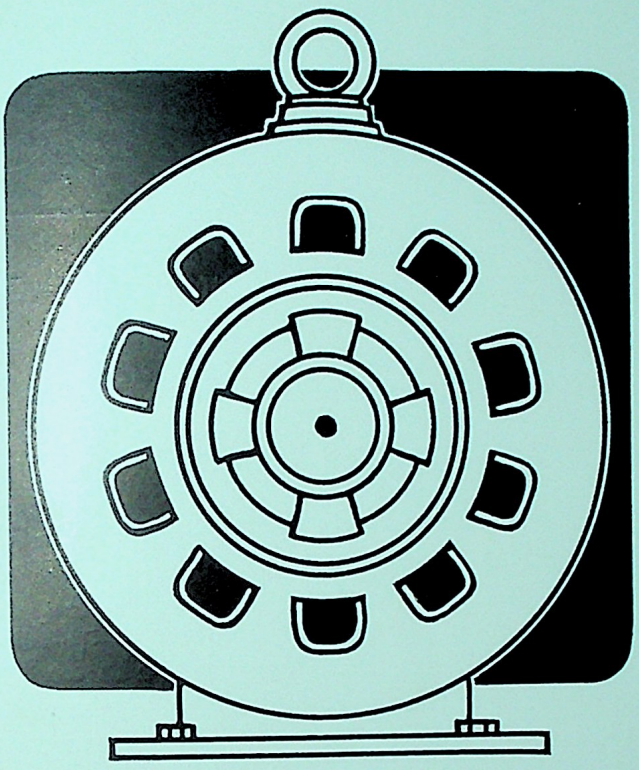
An Ode to Commencement

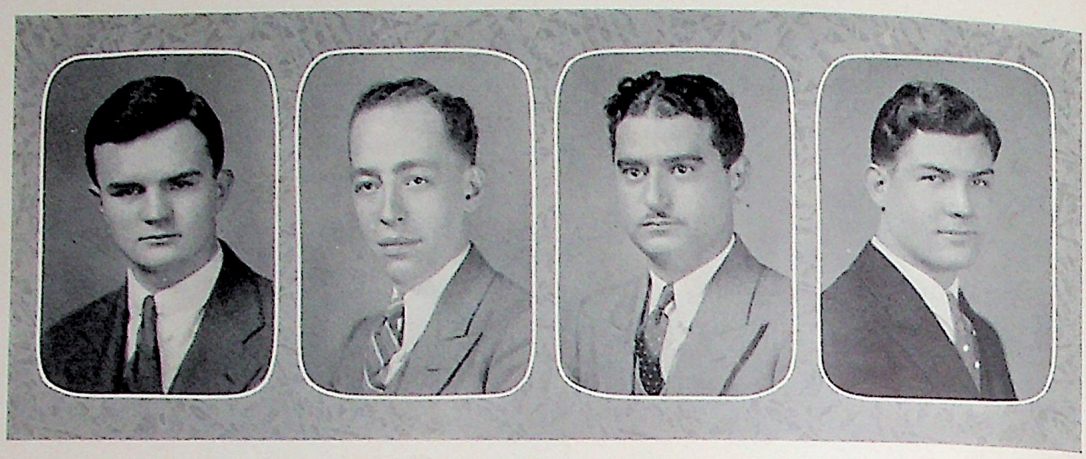
In silence lies the rare June day;
  Hushed is the very bird that sings
As we go out upon our way
  From fine to finer things.

Farewell to happy, fruitful years.
  They're memories forever now.
Beckoning world! Dispel our fears
  As to your work we bow.

This is a commencement; this is an end;
  Our eager, upward-looking eyes
Burn with regretting e'er they bend
  Upon what forward lies.

KING SCHEHEREZADE.





President
JAMES S. LOCKE

Vice-President
HERBERT I. HARRIS

Secretary
VINCENT S. MORANO

Treasurer
ERNEST C. GRABER

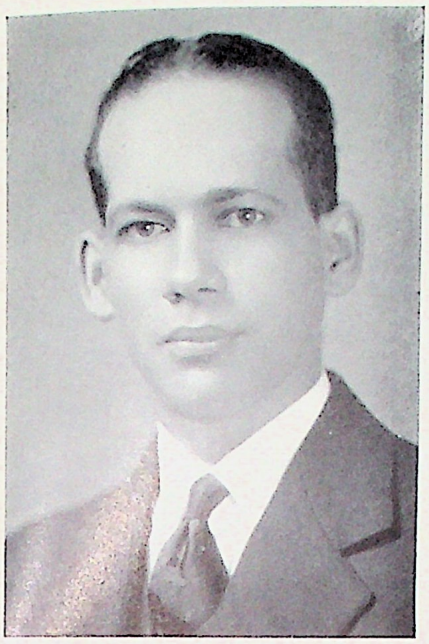
General Science

AS the school year draws to its close we pause and look back down the trail, winding its way up the hill of Effort, to those first days spent in the halls of our beloved Alma Mater. We see a group of enthusiastic young men, working diligently and spiritedly to improve themselves. Not only do they study hard but also do their share—and more—to keep student activities rolling along. What has distinguished this class, throughout its career thus far, is its class spirit. Whatever there was to be done, no matter how difficult, was done and done well, not by a few individuals, but by the class as one solid team.

This year, as always, whatever we turned our hands to was crowned with success. Despite dull depression, we have ably aided to publish a CABLE, greater than any which have gone before and which probably will not be equalled for some time. Our Junior Prom—Ah—who can forget that willowy grace of her dancing—that never-to-be-forgotten look in her eyes as she softly—Nuff said.

Having taken this breathing spell, we turn and climb onward and upward to the crowning achievement, the successful completion of our fifth and last year.

THE HISTORIAN.

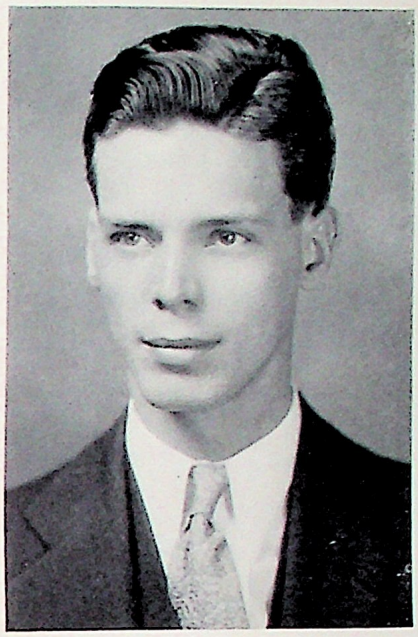


FERNA G. ASHBY

"Ash"

Civil Engineering

We all admire a gentleman and we all like a good fellow, which explains why we both like and admire Mr. Ashby. Eager persistence and dogged tenacity to a task have marked his career as a student and classmate. The fresh vigor of his mind and spirit and the youthful trend of his thoughts tend to make us forget that he is our senior member in respect to age and well justified in assuming an indulgent attitude to the comparative youth of the rest of us. May his thoughts ever remain thus young. May success brighten and adversity shun his path through life.



EDWARD D. BADEY

"Ed"

ΦΣΩ

Civil Engineering

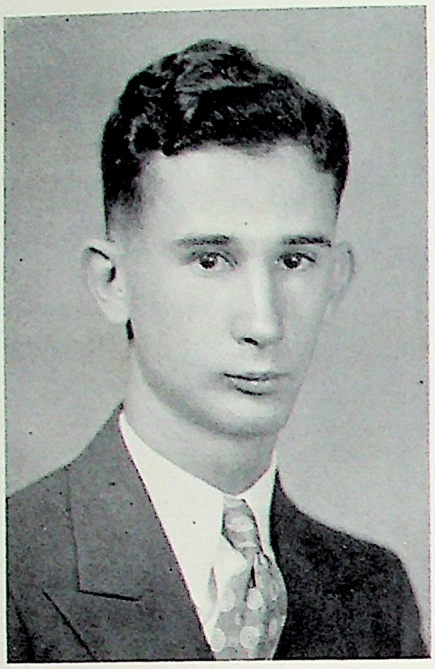
South Philadelphia High School

Treas., A. O., '31; Gold "C", '31, '32; Sport Editor of Cable, '32; A. S. C. E., Ex-Post Facto, '33.

Ed is "high" man of our class; high in stature, high in his studies, high in the estimation of his classmates.

Cheerful by nature, he is rarely seen without a broad smile, and we often wonder if this highly contagious sign of good humor is not caught from a certain young lady whose company he seeks as often as his studies.

We all wish him the highest rewards of a successful future which, we know, is in store for him.



MORTON BALABAN

"Bally"

Civil Engineering

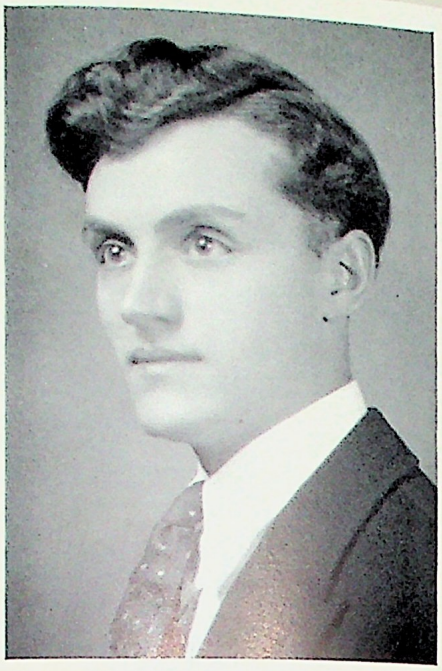
A. S. C. E.

Some call him "Bally"—but never Ballyhoo. Here is one genuine, unassuming young man without a particle of artifice in his make-up. Ask anyone who knows him.

These are sterling foundations for an engineer, but this chap is not content with just foundations. He designs steel for building to earn a living.

Talk about honesty! He is studying to take the racket out of steel erection by the use of welding instead of riveting.

Taking the algebraic sum of his qualities the result shows a regular fellow.



ATTILIO BALTERA

"Al"

Civil Engineering

Royal Industrial Institute, Biella, Alps
A. S. C. E.; A. S. T. M.

In the town of Biella, Italy, a young man, studying at the Royal Industrial Institute, suddenly realized that the view of Rome was spoiled by its seven hills, so after much consideration of the many schools in this world he decided upon Cooper Union.

Next year, after graduation, he will return to show Mussolini how to remove those seven hills. Good luck, Al.

GUSTAVE BLECKMAN

"Gus"

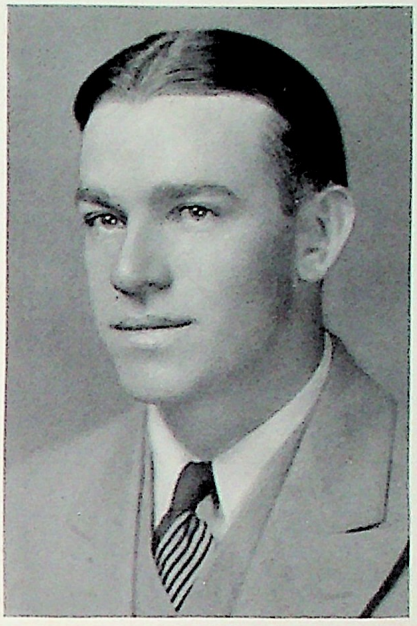
Mechanical Engineering

Bushwick High School

A. S. M. E.; Math Club

Gus is a necessary member of Mechanical Engineering Laboratory Squad No. 1. At the conclusion of each experiment the Laboratory Staff requires suggestions for improvements in the apparatus or the method of conducting the experiment. This is "pie" for Gus, who even goes so far as to suggest Texaco Winter Oil for the Crosby Dead Weight Gage Tester.

Gus is an excellent student, well thought of by his classmates, and should go far in the Engineering world.



JOHN J. BOHAN

"Blondy"

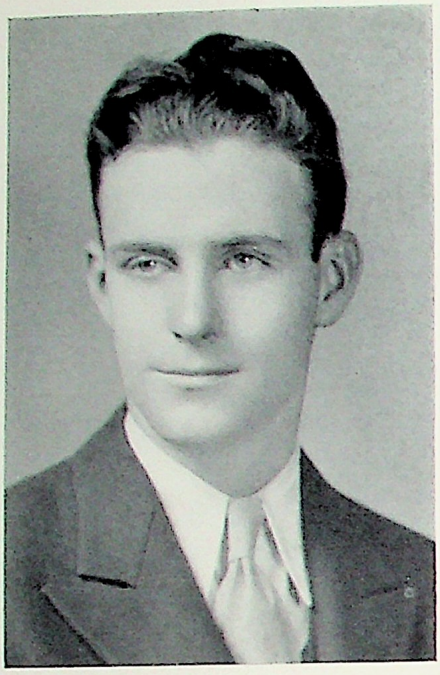
Civil Engineering

Yonkers High School

John hails from Yonkers, the land of mountains and one-man trolley cars. His only weakness is his "Chevie," which runs now and then (mostly then).

John may not be the Einstein of his class, but you will always find him in the center of the line, plugging with that rugged and good-natured stubbornness which leads to success.

Of late John has become a part-time citizen of White Plains. We wonder who she is?



JOHN T. CARROLL

"Jack"

ΦΣΩ

Civil Engineering

Cathedral Prep

A. S. C. E.; Pi Sigma; Newman Club; Corres. Sec'y., Newman Club, '30; Track, '29, '30, '31; Mgr. Track, '31; Class Vice-Pres., '29, '30, '31; Vice-Pres., C. U. N. A. O., '30, '31; C. U. N. E. C., '31; Annual Comm., '31; Night Sport Editor, Pioneer, '30, '31; Gold "C," '31; 2nd Award, '32; Editor-in-Chief of Cable, '32; Ex-Post Facto, '33.

No greater honor can any man receive than to have it said, "He is a man!" For a man possesses these cardinal virtues: loyalty, integrity, intellect, ability. John's integrity is unquestioned. His ability and intellect are obvious, and, to his friends, his loyalty and friendship are treasures.

Is it any wonder that we predict for John a brilliant and successful future?

ANGELO CASULLI

"Angelo Mio"

ΦΣΩ

Civil Engineering

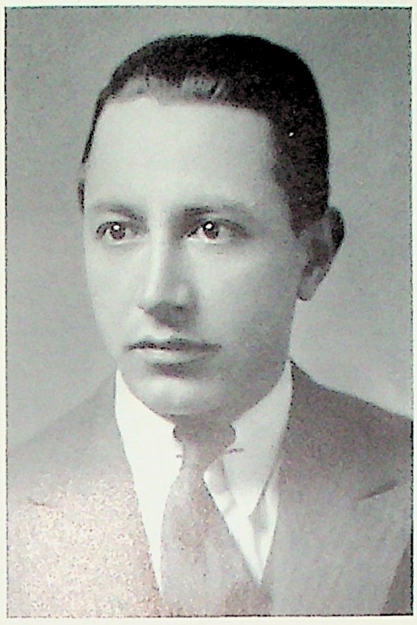
De Witt Clinton High School

E. S. E. High School

A. S. C. E.; Publicity Editor of Cable, '32; Pioneer, '32; Gold "C," '32; Ex-Post Facto, '33.

Angelo is the chap who says little and thinks much. Although he did not become active in school affairs until this year, he has always been an ardent supporter of all extra curricula activities.

Though not a "ballyhoo artist" his trial attempts at publicizing this CABLE were so good that he was immediately given a place on the staff.



BERNARDO S. COLOMA

"Benny"

Civil Engineering

La Salle Institute, Colombia, S. A.

He is a typical Cooperite, endowed with perseverance, patience and plenty of ambition, and a sense of honor that is hard to beat. His chief ambition is to build bridges and railroads and to be, in his native country, Chancellor of the Colombian Consulate of South America and a Member of Literary Society in that country. Although he is a quiet, soft-spoken fellow, there's nothing slow about him.

CHARLES COLVIN

"Charlie"

Civil Engineering

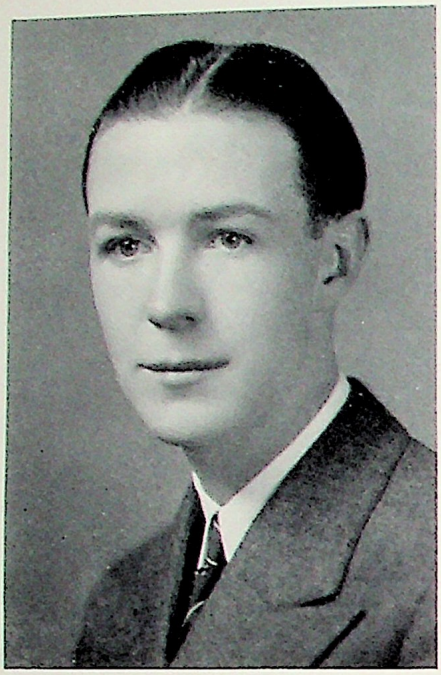
Thomas Jefferson High School

Tennis Team, '31, '32.

To an abundance of good cheer, add a great big smile; mix until they work well together, then add a touch of humor and sound philosophy. What have you got? Charlie Colvin.

Despite his popularity with the opposite sex, Charlie has proven to be a good student. We wonder if his popularity with the ladies is due to his mustache, his ability to do the latest dance steps or the fact that his motto is "An even break for the ladies."

We know Charlie will continue to tackle his future problems with that same grim determination which has stood him in good stead thus far.



VINCENT G. COOKE

"Cookie"

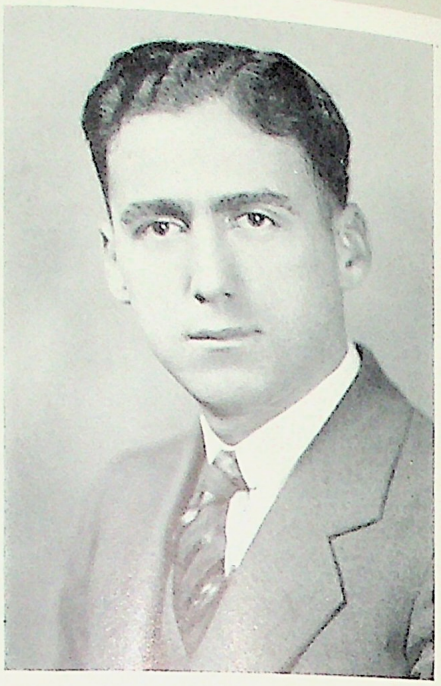
ΦΣΩ

Mechanical Engineering

La Salle Academy

A. S. M. E.; Copy Editor of Cable, '32; Gold "C," '32; Ex-Post Facto, '33.

The G. stands for Gabriel. The members of the class of '33 are always on hand when Gabriel calls. It was not until the fourth year that it was realized that a young man of ability and determination was in our midst. Next to horses and a life in the great wide open spaces of the West, there is nothing more appealing to Cooke than an aeroplane. We strongly suspect that 1933 will see Cooke enrolling at N. Y. U. for a course in Aeronautical Engineering or Industrial Management. In any event, more will be heard of him later.



DOMINICK DE FRANCESCO

"Call me Dick"

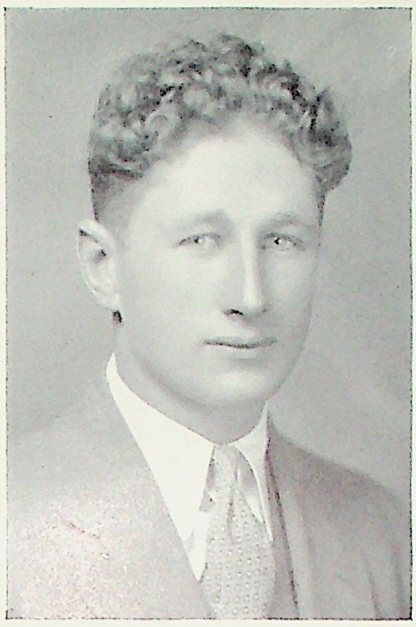
Civil Engineering

De Witt Clinton High School

Dick is the best automobile driver in the Bronx? He has to be good to drive HIS car. It starts all right but once it gets going just try to stop it, just try.

Dick must have been born in Missouri. He takes nothing for granted but digs down to the fundamentals of all his problems before he is satisfied with his work.

This has resulted in his steady success which we hope will always accompany him.



EDWIN E. EKLOFF

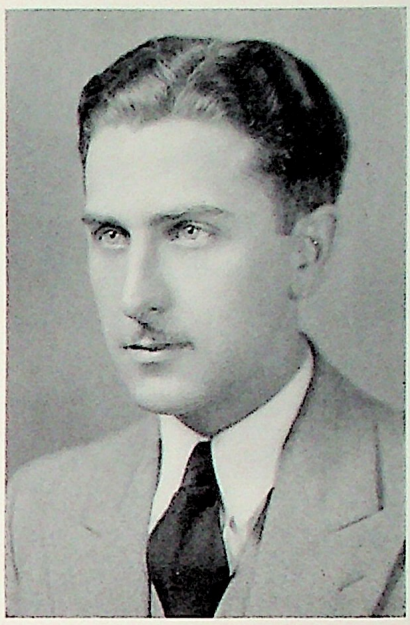
"Ed"

Civil Engineering

Croton-Harmon High School

A. S. C. E.

He's a successful student. He's a good worker. He's sincere, courageous, loyal. But we don't think of such things when we think of Ed. It just seems natural that such a likable and popular fellow should possess a character which is an ideal combination of what it should be, and what one would like it to be. A bit of gentlemanly reserve, a generous proportion of worldly good - fellowship, the proper amount of contemplative seriousness and all the trimmings that go with them, together with the fact that he is ever willing to lend a helping hand, make us doubt that we will forget Ed for some time to come.



SALVATORE FASULLO

"Sal"

Civil Engineering

Boys' High School

Pratt Institute

A. S. C. E.

Youthful exuberance and hoary wisdom are this gentleman's best attributes. His fun-loving propensities have often overshadowed the fact that he is a most diligent worker, thorough and efficacious. It is easy and pleasant to remember his hearty chuckle and profound glee when, in a jocular mood, he has indulged his humor in some prank. Such a spirit as this he tempers with his intense application to his duties. Our liking for him deepens to admiration and respect. As he is, he doesn't need our best wishes but we give them anyhow.

JOHN J. FICKER

"John"

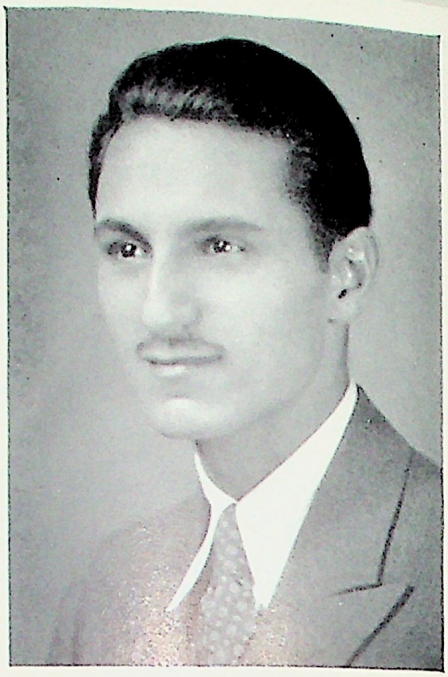
Civil Engineering

St. Peter's Prep

A. S. C. E.; Gold "C," '32; Ass't. Staff Editor of Cable, '32; Ex-Post Facto, '33.

If ideals and dreams were the foundation stones of success, John would fare well. Not that he does not possess other qualifications for success, for he is a good student, an energetic worker and a serious thinker. He is widely esteemed amongst his fellow classmates.

His visionary ability is unique; something which, no doubt, will mark his future accomplishments with distinctive characteristics of his personality. To such a future we look forward with undimmed optimism, and with the hope that we may be there to do him honor.



BENJAMIN FIGELMAN

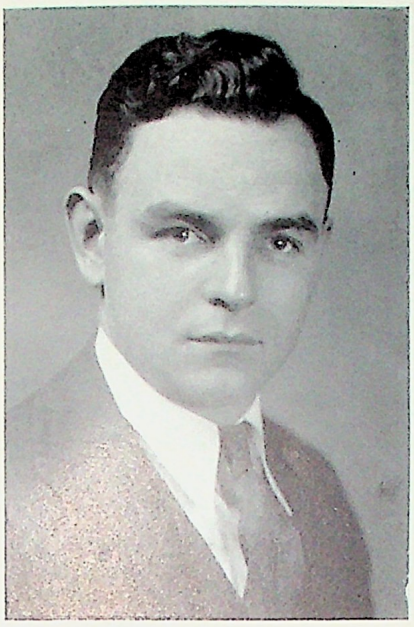
"Blackie"

Mechanical Engineering

City College of New York

A. S. M. E.

This lad is a plumber in more ways than one. When he grapples with a problem, he plumbs its depths, dissects it, considers each dissected bit separately, weighs it minutely in the balance of clear, logical thinking, and then, collecting the scattered items into an orderly arrangement of masterly excellence, presents the whole as his solution to us and to the professor, thereby astounding us again and again. He doesn't forget like some plumbers! What originality!



JOSEPH FITZPATRICK

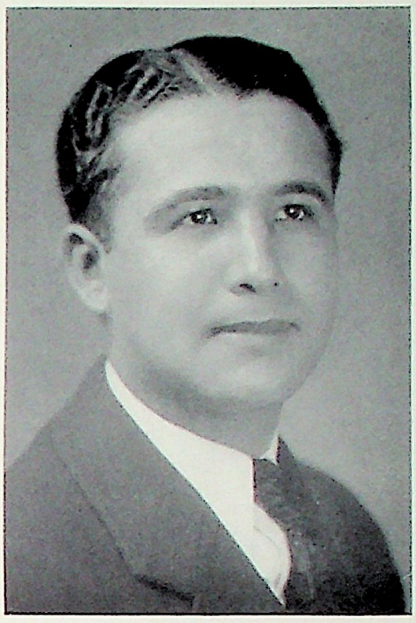
"Fitz"

Civil Engineering

Stuyvesant High School

A. S. C. E.

No one pounds away at a task quite so hard as "Fitz." The zeal with which he attacks the superlatively laborious tasks of fourth year makes us think of an infinite force, sweeping away all obstacles in its path. If he ever meets the insurmountable object, it is sure no one will be quite so able to cope with it as he. But he's human about it all. He gives a humorous touch to everything he tackles by making it the subject of his ready wit, and often we have partaken of his mood and been enlivened in consequence.



SAMUEL GERRINGER

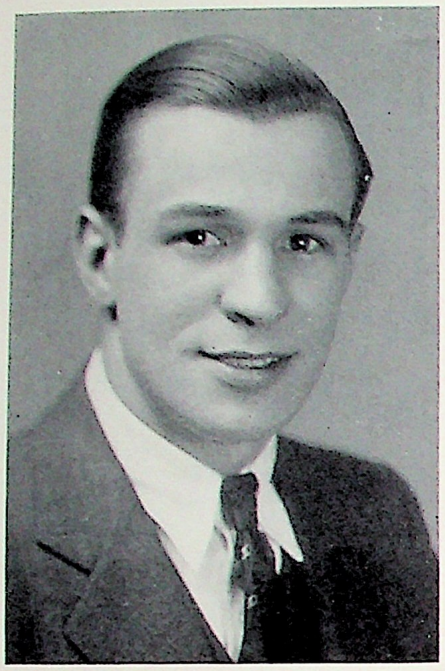
"Gerry"

Civil Engineering

De Witt Clinton High School

A. S. C. E.; Class Sec'y., '29.

Singing Sam is a walking advertisement for any kind of tooth paste. When he is not smiling he's grinning. We don't know what makes him so jolly; perhaps he uses Barbasol. However, Sam doesn't spend all his time joking. When a chap needs a helping hand in any work he will always find Sam attentive and ready to help. Keep on smiling, old man, and good luck.



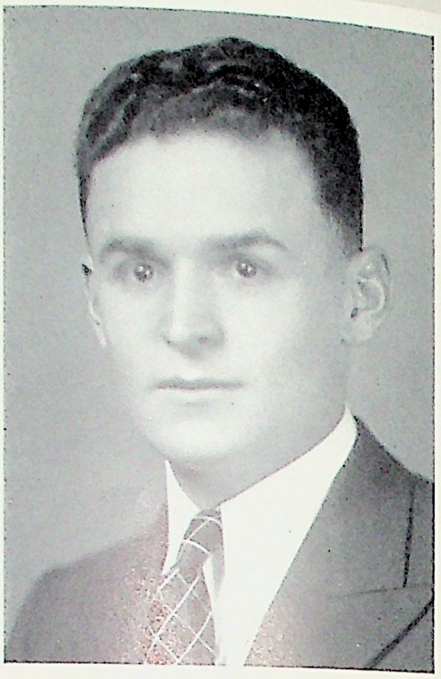
PAUL GEYER

"Guy"

Civil Engineering

Renssalaer Polytechnic Institute

This gentleman is the cosmopolitan in our midst. He has seen much and experienced a great deal. The world, as the arena of his exploits, has both applauded and been amazed. We, here at Cooper, do neither because we know him, not as a man of the world, but as a fellow student with great capabilities. Those same qualities, which now presage his fame, have prevented his accomplishments from moldering in the dust of obscurity as he moves amongst us. One cannot help admiring the sturdy self-assurance with which he commands an audience. His shoulders bear the burden of success as if born to such a task.



STEPHEN GILLICK

"Steve"

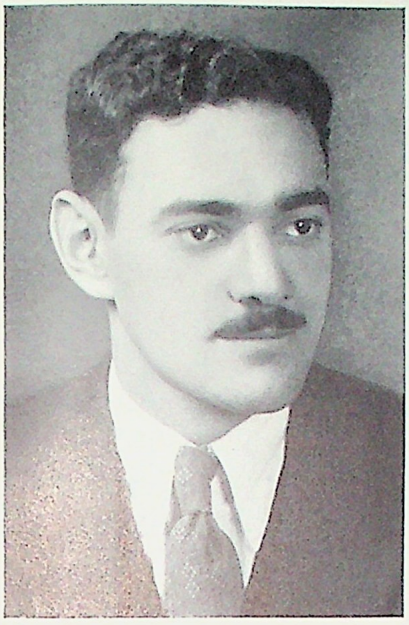
Mechanical Engineering

Dickinson High School

Steve has been a resident of Jersey City for the past eight years and still is. Believing in the old adage, "The early bird catches the worm," he started preparing for his career early; specializing in pattern making and mechanical drawing during his high school regime.

As Steve must play, swimming is his favorite diversion, a mile swim being a delight. To show for time spent about and in the Jersey City "Y", he can uncork a few tumbling tricks.

Wonder if he expects to tumble into the laps of Dame Fame and Mr. Fortune.



HENRY P. GLUCK

"Hi"

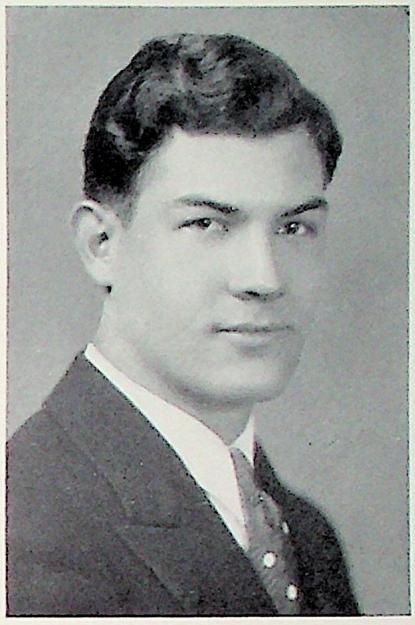
Mechanical Engineering

A. S. M. E.

It was just four years ago that this lad came to Cooper to find what it was all about. This lad has been a daring fellow, daring many things which would have daunted many other navigators on the sea of life. Not the least of his feats was his entry and succeeding progress among us.

Gentleman and scholar, always ready to share information with his classmates, does not fully describe this Cooperite.

His favorite hobby is nodding at a lecture, thereby confirming the statements, which relieves the professor considerably.



ERNST C. GRABER

"Ernie"

ΦΣΩ

Mechanical Engineering

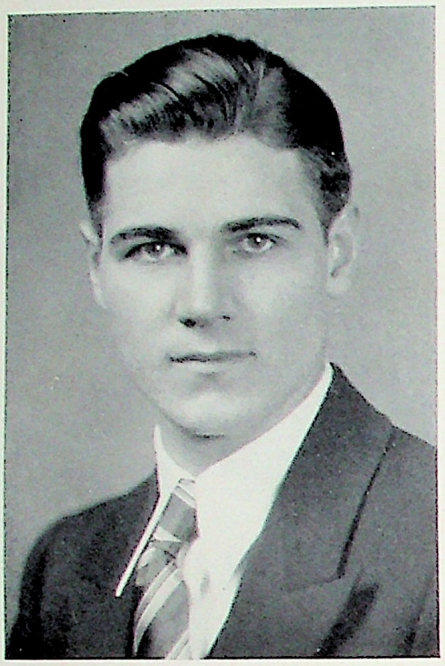
Bryant High School

A. S. M. E.; Class Sec'y., '31; Class Treas., '32; Basketball, '32.

"Ernie" is one of those quiet fellows who use their time to good advantage and as a result he is always well up in his work. He is always ready to lend a helping hand.

Being tall and handsome, "Ernie" is well liked, especially by the girls, but that does not affect him much.

In class he is well known because whenever you see him he asks, "How about some money for class dues or making any payments on the CABLE?" As a result his classmates all try to duck poor "Ernie." He sure has a job on his hands during this depression, better known as the "Panic."



STERLING T. GUSTAVSON

"Gus"

ΦΣΩ

Mechanical Engineering

Brooklyn Technical High School

A. S. M. E.; Track Team, '29; Chairman, Class Affair Comm., '29; Circulation Manager of Cable, '32; Gold "C," '32; Ex-Post Facto, '33.

Cast your eyes on the pleasant mien of Sterling T.

From the list of his activities it would seem that Gus has not been particularly active. However, appearances are sometimes misleading. There has not been any event of importance about which Gus did not know.

It is well known that his heart has been taken out of circulation by a certain faraway miss, but he certainly knows his "Circulation Manager" routine.

HERBERT I. HARRIS

"Babe"

Mechanical Engineering

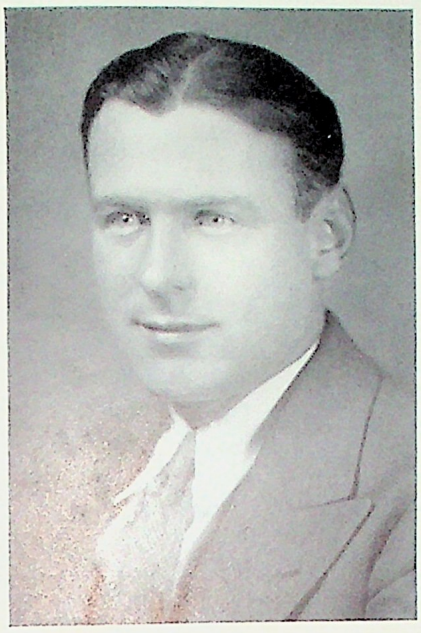
Harlem Evening High School

A. S. M. E.; Math. Prize, '30; Math. Club Pres., '31; Math. Club Vice-Pres., '32; Class Vice-Pres., '32; Advertising Mgr., Cable, '32; Gold "C," '32; Ex-Post Facto, '33.

When a meeting is called to order and still the noise continues —that's Harris. When something must be sold—send out an S.O.S. for Harris.

Herb is a chap who can create more disturbance over homework, at a meeting or in class, than a bull turned loose in a Chinaware shop.

Outside of that he is a "darn" good scout and the Class of '33 wish him every success.



HARRY J. HORAN

"The Wolf"

Civil Engineering

Evander Childs High School

A. S. C. E.; Junior Prom Comm., '32.

Harry spends most of his time travelling from the cold frozen wastes of the "Bronnix" to civilization and back. Travelling, business, school, homework, etc., keeps his nose very close to the grindstone (see how sharp and red it is).

However, he usually finds leisure on Saturday nights. Of these precious hours he says, "Ah! that's my time to howl."

Harry has all the qualifications of a first-rate engineer. Who knows but that the bridge you choose to jump off will be one of his design.

JOSEPH HUMPHREYS

"Shanty"

Civil Engineering

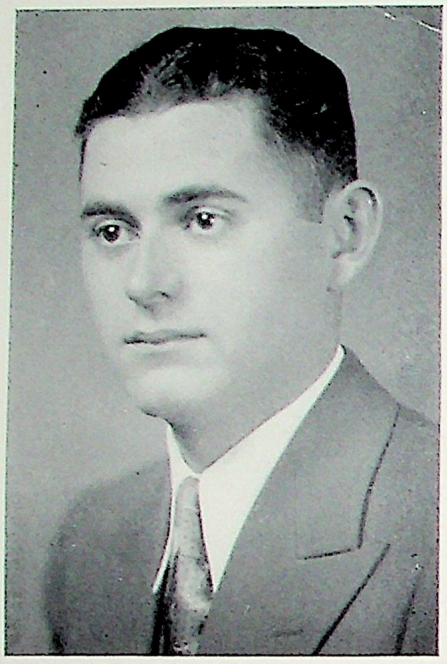
Christian Brothers, Cork, Ireland

A. S. C. E.

This wild Irishman from Cork was a pretty baby, but Oh! how he has changed.

His one weakness is women, and he is so bashful we wonder how he acts with a certain little colleen who takes up all his spare time.

He likes to travel (?), is a mental genius, always thinking up some brilliant ideas. Some are bad, others terrible, and the rest—well they are not even worth mentioning.



ISIDORE KUZNETZOFF

"Fudgeo"

Civil Engineering

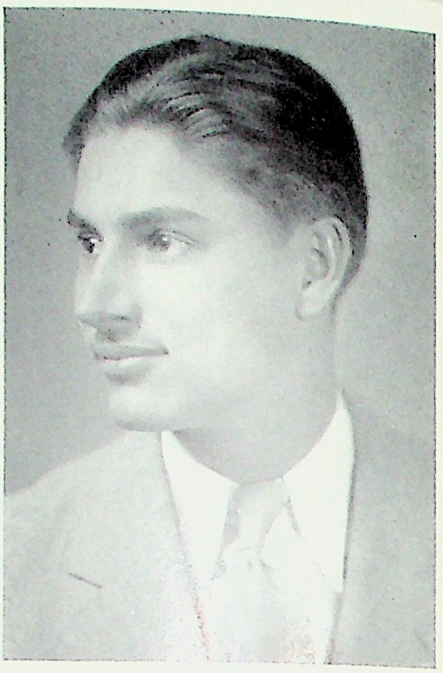
Boys' High School

A. S. C. E.

"Fudgeo" is of a rare species. He can take two points, just two, and draw any curve imaginable. However, as the great philanthropist O. U. Babe said, "There's nothing wrong in that." Among other things the great Babe said, —but that's getting off the subject.

If you let "Fudgeo" survey your property you may be surprised to learn that you own City Hall. Such results are worked out by the two point method.

Some day he will be a great engineer, and you may find yourself driving on the sidewalk of some highway that "Fudgeo" built.



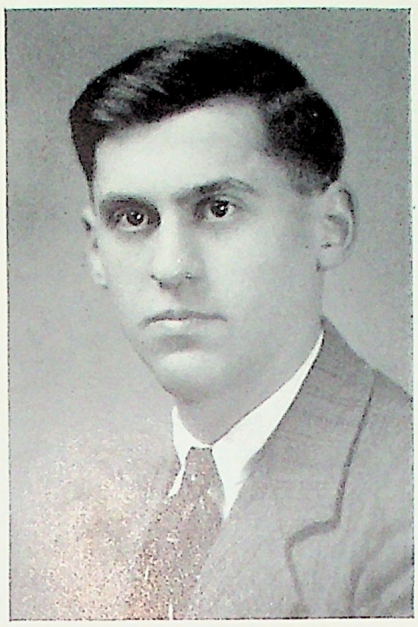
EDWIN LECHTERMAN

"Ed"

Civil Engineering

A. S. C. E.

Ed was told by one of his first year instructors that it would just be a question of time before he'd flunk out, and as a result he has spent four years of mental agony wondering which year it would be. If you're placing any bets, this year has the edge. Yet, even an instructor can make a mistake, which, we feel sure, has been done in Ed's case.



HARRY LEVY

"Lucky"

Mechanical Engineering

South Side High School

A. S. M. E.

Lucky? Lucky! Lucky Levy, the Jersey-ite.

Four years now — Gasping — Everybody.

Easy problem—Levy.

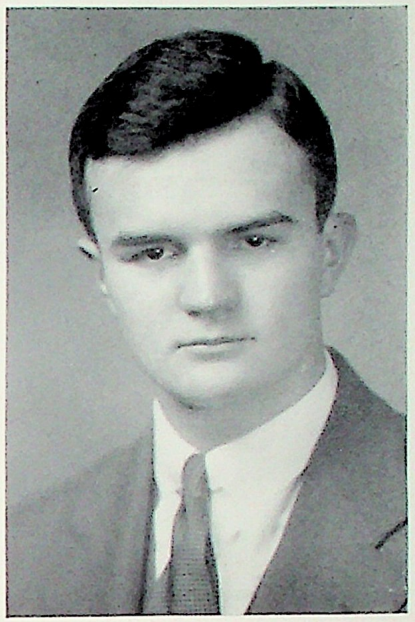
Hard Assignment—Levy's turn? No—never.

Exam.—Studying, Levy? Time—Lots of time.

The exam — After exam — The highest? Why, Levy.

Lucky? Lucky! Lucky Levy, the Jersey-ite.

In future—Way in future—You — Me — Drafting-room — Pen-wipers—Heard? Haven't you? New Jersey — New Governor. Who? Why, Levy. Lucky? Lucky! Lucky Levy, the Jersey-ite.



JAMES S. LOCKE

"Jim"

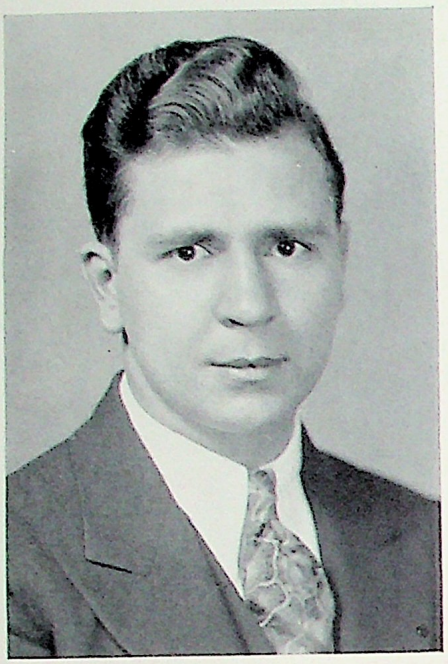
ΦΣΩ

Mechanical Engineering

Class Treas., '30, '31; Class Pres., '32; Sec'y. Students' Council, '32; Chairman Junior Prom.; Sec'y. A. S. M. E.; Gold "C," '32.

If you can beat Jim at "Bottom's up" with a glass of beer, it's the only way you can. Whatever else Jim does he seems to do better than the rest of us average mortals.

Strutting good-looking women and furnishing "light" before "exams" are his best accomplishments. We wager, you will all know about Jim before he graduates.



AGATO S. LUCERI

"Luce"

Mechanical Engineering

Mechanics Institute

A. S. M. E.

"Luce" is one of those men who, in later years, will be the backbone of the nation. He is a steady, reliable fellow who "plugs along," always having his work done on time. But "Luce" has more than just determination and a fine appetite for work. He always has a smile for everyone and it is almost impossible to keep that Monday feeling when he is around. If anyone has any difficulty, he is right there to do his best to help. "Luce" is always sympathetic and friendly and we predict a very happy future for him. However, we would like to know when is he going to learn about women.

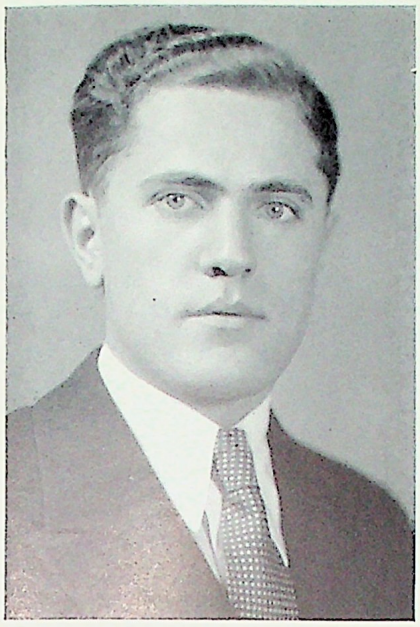
PASQUALE J. MAGLIATO

"Pat"

Civil Engineering

Stuyvesant High School

Pat has come to us after spending a year or two at Polytech. It is rumored he came so that he could be nearer the beautiful girls in the Art School, but we will not testify to that. Maybe he prefers the company of the male students of our school, but, once again, we will not commit ourselves. The point is that he came here and we received him with open arms. He has stayed and enlarged upon the qualities which first seemed favorable to us, introducing, at the same time, others which verified our first good opinion of him.



SAM S. MAYER

"Sam"

Civil Engineering

Roser Commercial High School,
Budapest, Hungary

A. S. C. E.

Sam is an eager, persistent student, who, having set his mind on a goal, has been working his way toward it. He has been equally steadfast in his loyalty and adherence to the ideals of scholarship and hard work. We like and respect him, and see for him a continuance of successes, in the many years that will follow his graduation from Cooper.

HAROLD T. McCANN

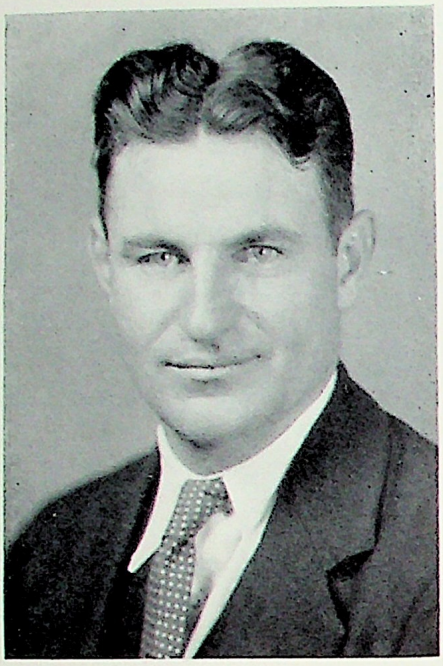
"Mac"

Civil Engineering

A. S. C. E.

"Mac" is a quiet sort, but then still water runs deep (and dirty). He maintains a solemn demeanor and a dignified carriage as he moves amongst us, but we have learned to understand the sly twinkle in his eye. It means mischief and an intention to give full rein to that weakness. As an engineering student, he has taken a lively interest in surveying and we are all acquainted with his proficiency therein.

Some day "Mac" will be a prominent figure in the engineering world. Some day his fame will ring clarion clear throughout the world. Some night you may fall into a sewer that "Mac" designed.



ALEXANDER E. MOORE

"Alex"

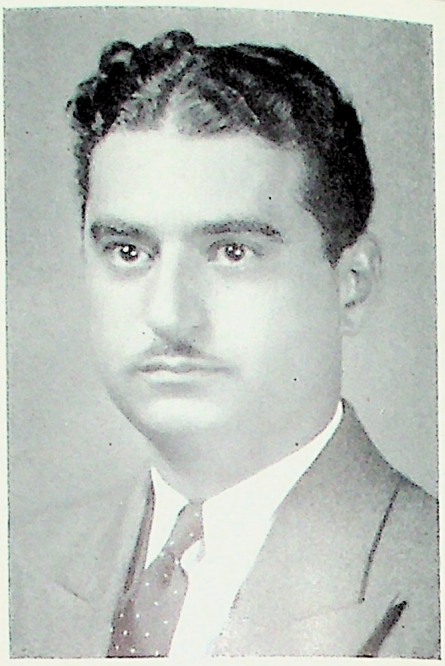
Civil Engineering

Bushwick High School

A. S. C. E.

Why an eloquent after-dinner speaker like Alex (provided the tables have been cleaned off first) wastes his time around Cooper is a mystery. He, no doubt, got his training as an employee in the D. W. S. G. & E., where he wastes his time trying to locate taps. However, Alex has no trouble locating "taps" after hours.

With all his faults, Alex is one of the best liked fellows in the class and is bound to succeed in the engineering field. Best of luck, Alex!



VINCENT S. MORANO

"Vinny"

ΦΣΩ

Civil Engineering

Manual Training High School

Treas., A. S. C. E., '32; Class Sec'y., '32; Junior Prom Comm., '32.

His friends call him "Vinny," alias "Pins," and to others he is known as Morano. Various names are also applied to him which will not be disclosed here. His dark curly hair and imitation John Gilbert mustache is the answer to the song "What is it?" He is absolutely fatal to women (in his opinion). He promises to become one of the City's great "Tin-Box" Engineers. He accomplishes the most work with the least effort, which is a sign of inherent laziness. This allows him considerable time for other diversions. Q. E. D.

ERNANDO F. PERRICELLI

"Perry"

ΦΣΩ

Civil Engineering

Evander Childs High School

City College of New York

A. S. C. E.

Known as "Perry" to his friends, but to those with whom he is more intimate he will answer to the name "Brush." The latter sobriquet is derived from a peculiar growth on his upper lip which defied analysis. His explanation, that it is a mustache, was eventually accepted by most of his acquaintances.

He once bought a package of cigarettes, but upon discovering that all the cigarettes in the package were the same, he reverted to his customary practice of smoking other people's. Otherwise he is a normal Cooper student with the ordinary eccentricity of sleeping during lectures.

GEORGE H. PRIME

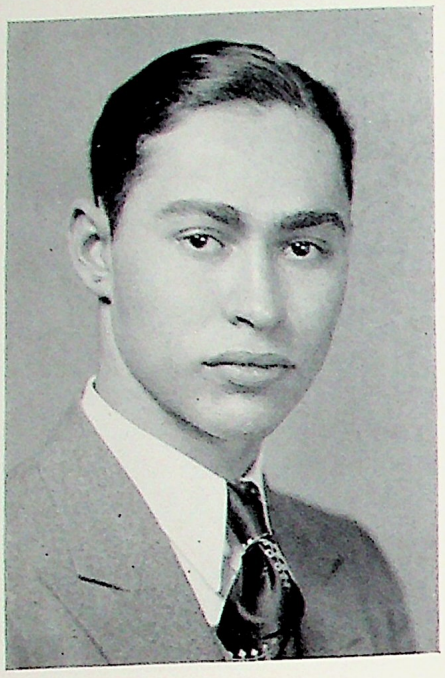
"Cy"

Civil Engineering

A. S. C. E.

"Cy," clean shaven, except for a heavy beard, may be seen almost any night ducking in and out of classrooms—the foliage expresses a hatred for shaving. If shaved, we know he has a date after class. Well, women have strange powers over men, especially when it comes to shaving.

Week-ends may find him batting a golf ball up the wrong fairway or hiding behind a pencil (you've got to be small for this) surrounded by text books. Though fond of "dear" hunting, he's not as bad as painted but is a real chap in all respects.



IRVING QUINN

"Ik"

Civil Engineering

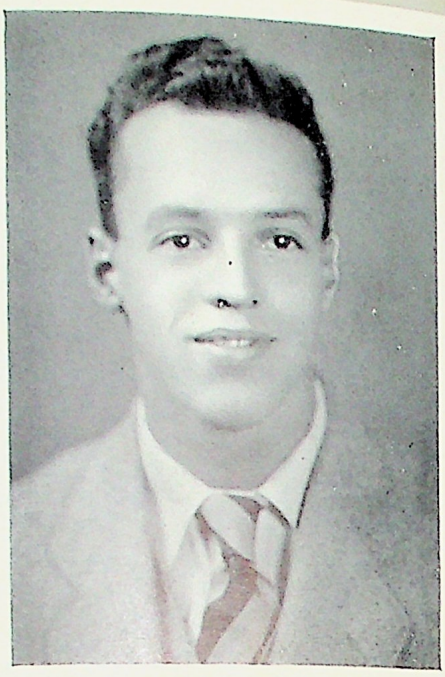
New Utrecht High School

Brooklyn College

A. S. C. E.

Quinn is one of those thoroughly likable chaps, even though he does hail from Bensonhurst. He's always willing to help out a fellow classmate in his studies.

When not "burning the midnight oil," he divides his time between taking the boys over at pill pool, wondering what Calculus is all about and "La Femme." He can be seen any Tuesday night at 9:30 dashing over to N. Y. U. in his 1911 chariot. Who's the fair co-ed, "Ik"?



GEORGE W. ROCKLEIN

"George"

Mechanical Engineering

Here's a student one hardly hears from. George resorts to no horseplay, but only work, work and work. Wait, dear friends, we are not accusing any other members of the class of the above-mentioned misdemeanors, as is technically defined in the school curricula. We hasten to dispel that thought, for it may even include the CABLE writer, and you know that couldn't be true. George does meritorious work in very limited time. His industry and ability are thereby well proven. Anyone with such a school reputation cannot struggle with worldly competition without recognition.

HAROLD D. ROUSE

"Spudy"

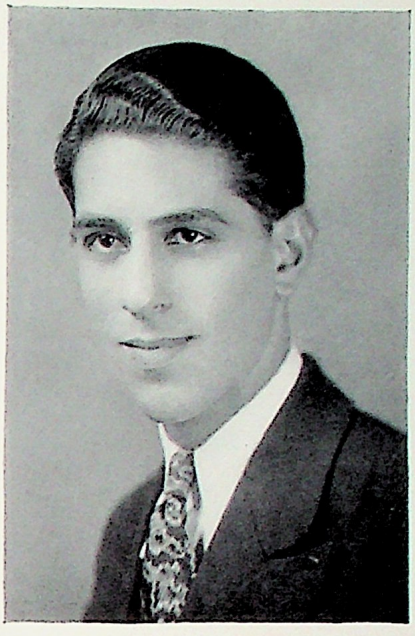
Civil Engineering

Manual Training High School

Football, '28, '29, '30; Football Mgr., '30.

"Spudy" is the Beau Brummel par excellence. Had Hollywood been nearer to New York he might have gazed at you from the silver screen, instead of from this printed sheet. "Spudy" decided it was too great a distance to commute every day so he stayed in New York and joined us hopefuls at Cooper. Harold frightens little children with his fierce waxed mustachio but wins them right back with his happy smile. He's one of the nicest and friendliest fellows and we wish him the best of luck.

P.S. Too bad, girls, he's a married man.



ELIAS RUBINSON

"Al"

Civil Engineering

Thomas Jefferson High School

A. S. C. E.; Math Club; C. U. N. S. C., '32; Bus. Mgr. of Cable, '32; Gold "C," '32; Ex-Post Facto, '33.

This young man is a most significant point in the scholastic curve. Taking the derivative of the equation of that curve would undoubtedly show Al to be a maximum point—for he is a maximum in most of the things he does.

He is so bright we are led to believe that he uses Sapolio when washing. Al is a shining example of what can be done when one is compelled to study while going to and fro in the tubes of the B. M. T.

WILLIAM SACHSE

"Bill"

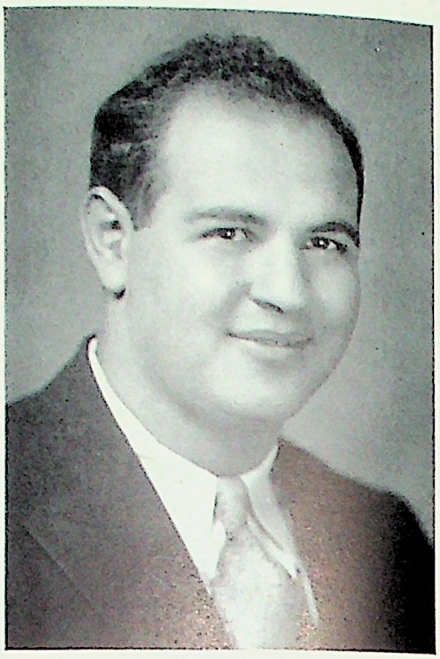
Mechanical Engineering

Richmond Hill High School

A. S. M. E.

Bill came to this country from Germany in '26.

In the December, 1931, issue of "Mechanical Engineering" the editorial column advises all unemployed engineers to utilize their spare time to better their knowledge by attending school. Bill did not wait until he read this, he was not an engineer and was employed, but for the past year he has been attending High School to complete his course and get his diploma as well as coming to Cooper at night.



GILBERT K. SANDERS

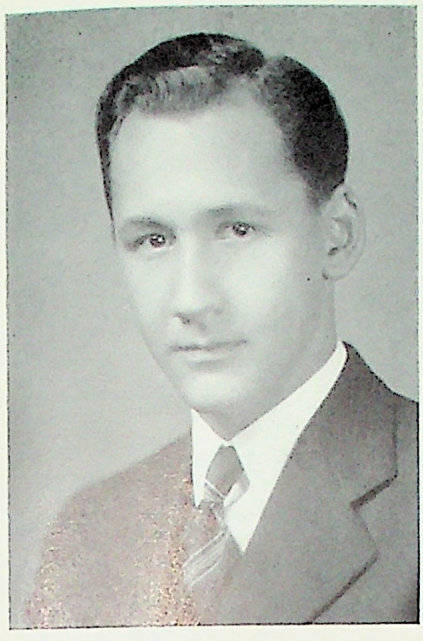
"Gil"

Mechanical Engineering

Bushwick High School

A. S. M. E.; Pi Sigma; Emil Schweinberg Scholarship, '29; Football, '29; Freshman Basketball, '29; C. U. N. S. C., '29; Pioneer, '29.

"Gil"—a scholar and athlete (possibly a gentleman). "Gil's" participation in Cooper's sports include, in addition to the above, "pooshing 'em up" with the shot put; and what he can't do with a rifle is nobody's business. "Gil's" mania is weapons. He likes to have arms around him (guns and female), which might explain his avid gun collecting activities.



MILTON C. SCHIMPFF

"Curt"

Civil Engineering

Townsend Harris Hall

A. S. C. E.; Math Club.

For three years Curt, being an embryo actuary, as well as engineer, found mathematics just so much "duck soup." While others toiled before class, Curt could be found, at least twice a week, enjoying a high-class ten-cent movie on Second Avenue. But, alas, he has reached his Junior Year. Now, Curt can be found in the library, at least four nights a week, tearing his hair, grumbling, getting writer's cramp, copying hydraulics like the rest of us.

CHARLES SCHNEIDER

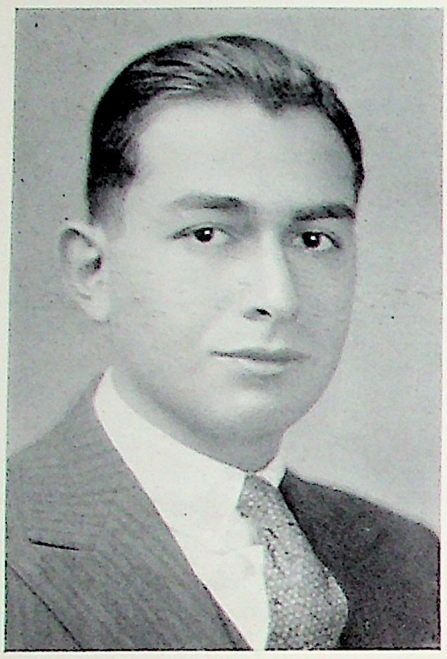
"Charlie"

Mechanical Engineering

Bay Ridge Evening High School

A. S. M. E.

Charlie came to New York, not so very long ago, after enjoying a short period of study at a German college. He is the sort of chap who gets things done quickly and correctly. Charlie's writeup was nearly forgotten, but at the last minute the omission was found. This is the spirit that seems to characterize him. That is, he is very quiet, so quiet in fact that one hardly knows he is amongst us. But, lo and behold, something happens and who is there to lend a helping hand but Charlie! It's a good thing we have someone to aid us in an emergency.



WILLIAM SELLS

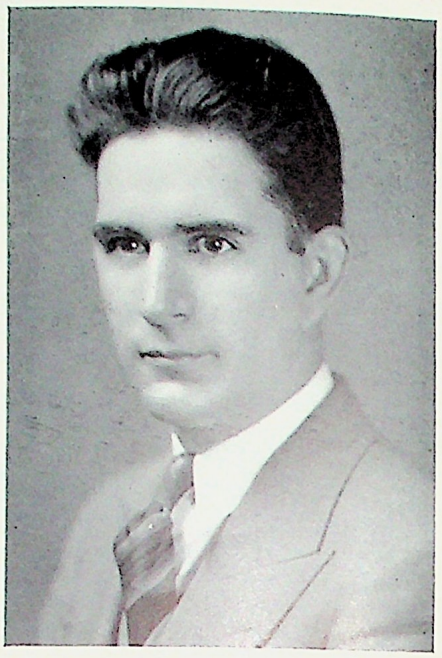
"Willie"

Civil Engineering

New Lots Evening High School

Willie is the biggest bundle of energy in the class and was certainly first in line when ambition was handed out. He does not mind doing anything when he is boss. He always makes up his mind in a hurry and as a result is continually getting into arguments. In spite of the fact that he accepts criticism reluctantly, once convinced, he is a staunch supporter of the opposing viewpoint.

Willie's idea of paradise is a pipe in his left hand and a tennis racquet in his right, and can be seen thus any Sunday morning in the park courts during the summer.



JOHN L. SHERRY

"John L"

$\Omega \Delta \Phi$

Mechanical Engineering

Dickinson High School

"John L." is a quiet lad from the wilds of Jersey City, possessing only the admirable characteristics of his famous namesake. His natural fighting instincts are centered in a battle to overcome the common foe, Hydraulics.

With his sterling qualities of perseverance, aptitude and leadership, John should be successful in any field, especially since the fires of his ambitions are fed by his wife and John L., Jr.

John's cheerful smile and winning ways, together with his willingness to help, have won him many friends.

HERBERT A. SHINGLER

"Bert"

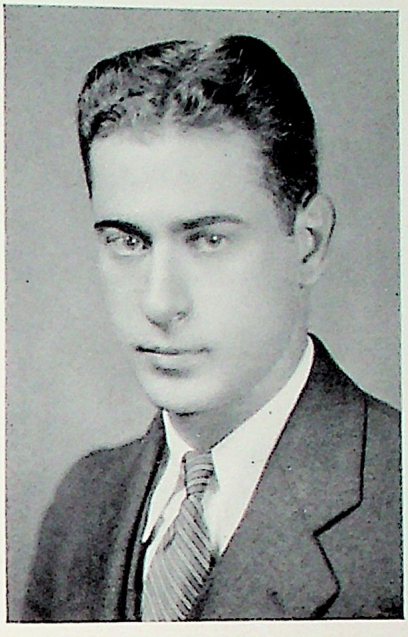
Civil Engineering

Richmond Hill High School

A. S. C. E.

Being accustomed to only fresh air he chose Civil Engineering.

He does not believe anything until shown in black and white and even then he hesitates. He is a man of few words but generally knows what he is talking about. Very good natured and will do anything for you when able, but somehow or other he is never able. Need a Life Saver, any flavor; Herb is the man. He runs the testing machine as if it were his own car. In spite of the fact that he never does his homework, he certainly will be with us next year.



BENJAMIN SOLOTOROFF

"Ben"

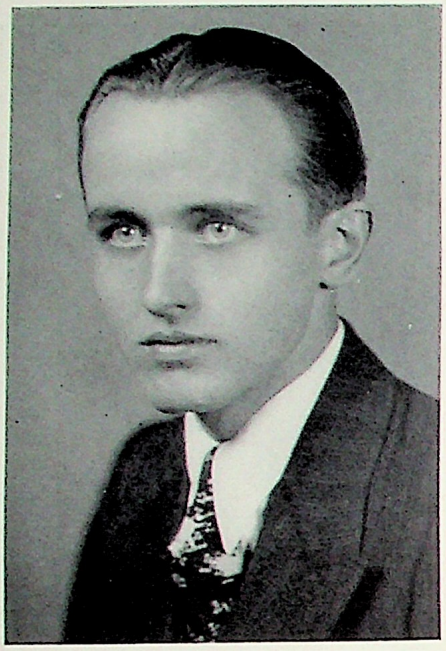
Civil Engineering

A. S. C. E.

Ben is an enigma. He comes from the Bronx—and yet does not seem to know enough to be ashamed of it. This is very embarrassing as in other respects he appears to be very intelligent—for a man from the Bronx. But we are too big to hold the accident of a person's birthplace and residence against him.

The only fault we find with Ben is that his face is too big to accommodate the smile with which he was endowed.

However, after summing up all the little (dx)s we find that a nobler heart never beat beneath the lost rib. Ah, if only. . . .



CHARLES F. SPAHN, JR.

"Charlie"

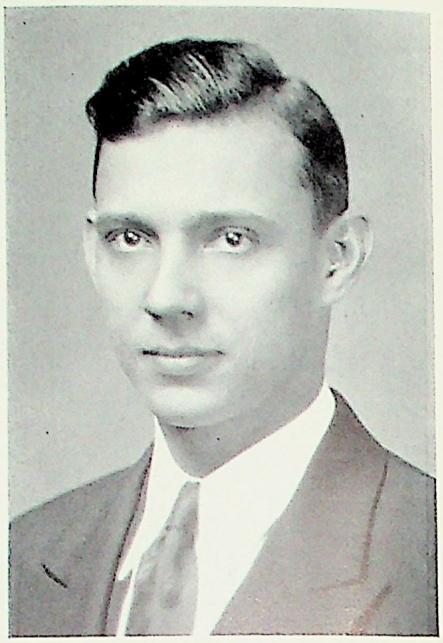
Mechanical Engineering

Stuyvesant High School

A. S. M. E.

While working as a bookkeeper, Charlie met "the girl." She persuaded him that he was meant for bigger and better things. Hence he is studying engineering and working as a draftsman (opening and shutting windows) for Bell Laboratories.

Charlie hails from the wilds of the Bronx, near the zoo. Every night he tries to break his own record time reaching the Third Avenue "L" station in order that he might meet his "one and only" before he wanders off in the arms of Morpheus.



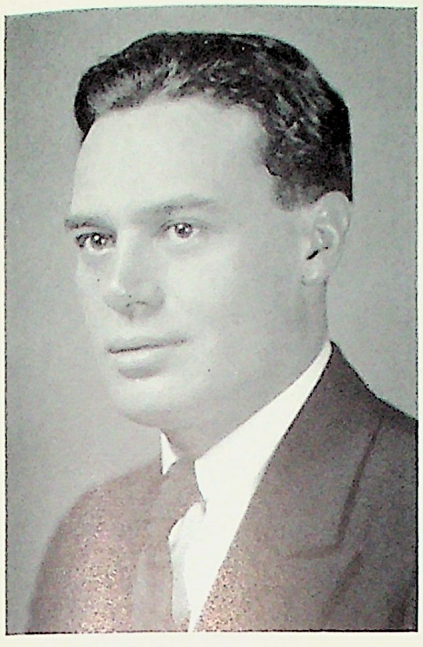
FRANK STAFFORD

"Frank"

Civil Engineering

A. S. C. E.

In the above graphic representation behold the dynamic personality of Mr. Frank Stafford. He takes secret delight in philosophical musings and poetry. However, he is not altogether a dreamer, being one of that indefatigable group of embryo scientists who nightly tread their way through the corridors of Cooper in search of whatsoever things are true.



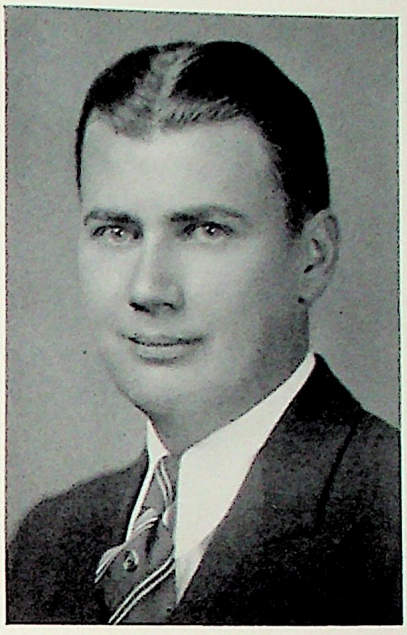
JOHN STEWART

"Stew"

Civil Engineering

A. S. C. E.

Here's a man for you. Whisper your needs and he will find a good speakeasy, no matter where you are. "Stew" is a regular pathfinder who gets more out of surveying field exercises than the quiz requires. He loves hydraulics and is trying to derive a formula for time required to empty a bottle. "Stew" becomes so absorbed in these experiments that he often reaches his saturation point. He found that lost head can be converted into big head with liberation of great amounts of kinetic energy. When he is an engineer, the bursting dam that carries away your penthouse may be of his design.



JOSEPH W. SVOBODA

"Joe"

ΦΣΩ

Mechanical Engineering

Newtown High School

City College of New York

A. S. M. E.; Junior Prom Comm., '32.

It is not often that one can gaze upon a man who has labored incessantly to gain success, but here we give you the opportunity. Joe is usually seen rushing home to do Hydraulics and write up Lab. Experiments.

Even with his high pressure studying Joe finds enough time to play a little game of golf. Bobby Jones has nothing on our Joe, who also has a few trophies to display.

Studies and sports are not the only things which attract him. After watching him "strut his stuff" at a dance it is easy to see he hasn't been losing time.

H. EARLE VAUGHAN

"Early"

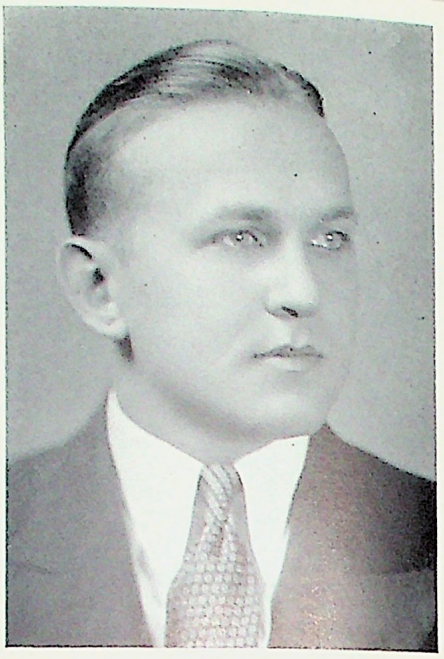
ΩΔΦ

Civil Engineering

Valley Stream Central High School

Earle, another Long Island duck, is the youngest member of his class. His age, however, does not interfere with his mastering of the wet question, Hydraulics, and the thought that some day he will probably become an engineer.

He is rather quiet when at school but it is whispered that he is the opposite at home. Since he has entered Cooper he has grown considerably taller and it is hoped that, some day, he will be as big a help to his folks at home as he has been to many of his classmates.



JOHN G. WAGNER

"Dutch"

ΦΣΩ

Mechanical Engineering

Manual Training High School

Polytechnic Institute

Unfortunately, John has just entered Cooper Union this year, therefore, he has been unable to show his ability in school activities. Rumors have been heard that Poly has just lost a good man. His limited attendance has not hindered him in making acquaintances and friends. Cooper says, "such popularity must be deserved," and John answers, "They satisfy," meaning the Cooper men. In Poly, he passed exams with credit; in Cooper, he expects to pass with distinction (?). We wish him lots of luck.

EDGAR WATSON

"Ed"

ΩΔΦ

Civil Engineering

Alexander Hamilton High School

Bay Ridge Evening High School

Baseball, '29; Football, '29, '30.

Ed, in his serious moments, puts his all to the task of delving into, and assimilating, the fundamentals of Civil Engineering. However, in the past two years, he tried delving his bulk into the line of opposing gridders. But unluckily for Ed, he was handicapped by a sprained ankle, which considerably slowed up his game.

Putting two and two together, it is plainly seen that Ed will become a regular and substantial alumnus of Cooper Union.

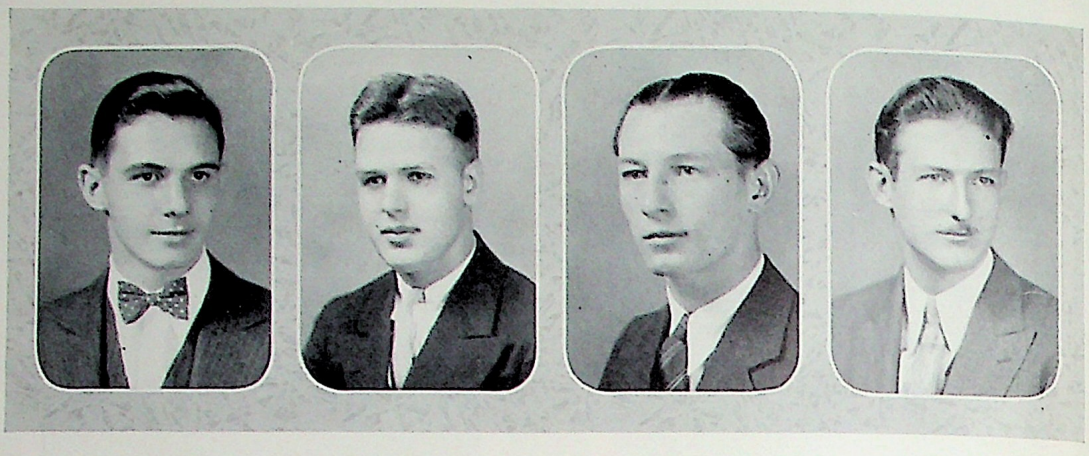
AMERICAN CLIPPER

"PAA"

The American Clipper is the largest amphibian plane in the western hemisphere. It was recently added to the fleet of luxurious passenger planes used by the Pan American Airways.

The motors, wings and ailerons are situated well above the streamlined hull, which is built like a ship to ride easily on ocean waves. The plane is equipped with folding landing gear which can be let down, making it possible for the ship to land on the ground as well as on water.

The plane, recently christened by Mrs. Hoover, seats forty passengers and five members of the crew, which accommodations are surpassed only by the DO-X.



President	Vice-President	Secretary	Treasurer
W. VAN ROSENBERGH	TRAVERS S. ELLIS	FRANK P. BALACEK	ARTHUR LUDWIG

Electrical Engineering

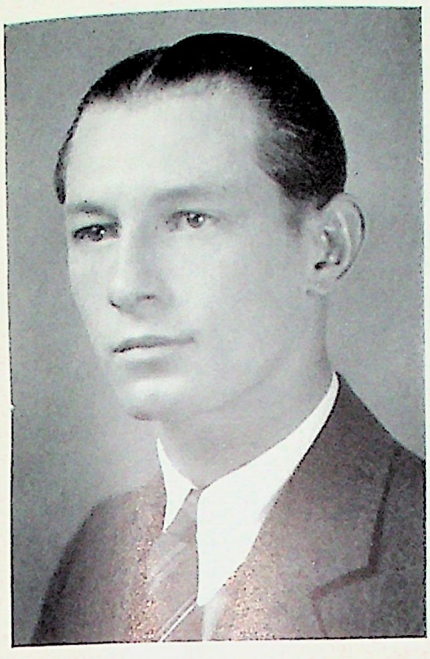
REMINISCENCE of the past four years brings memories that are mingled with joy and sadness. The class began its career with a total of 104; the remnant original members constitute but 25 per cent of this number. Through untiring and persevering efforts these men have been able to escape that inevitable process of elimination and to attain the goal of a junior.

Aside from the heavy burden of the curriculum, many members have devoted much of their time to extra-curricula activities. From the very outset, the class has displayed an eager interest in school activities, and each year it has been duly represented on the varsity teams.

Each year has seen its social activities—that integral part of one's education without which much would be lost. Dinners and theatre parties have been enjoyed and will long be remembered. The climax to these affairs was held this year: the Junior Prom. Truly, this was a magnificent event. The pleasing friendships and acquaintances, the delightful strains of music within that resplendent ballroom will never be forgotten. The most worthy and outstanding accomplishment of these men is represented by this CABLE. The capability of the few representative and the whole-hearted co-operation of all has contributed in no small way to the success of this book.

As the class is about to enter into its final year, it does so with sincere appreciation of the invaluable help received from all the instructors; and with the hope that these efforts, some day, shall not have proved in vain.

THE HISTORIAN.



FRANK P. BALACEK

"Ballie"

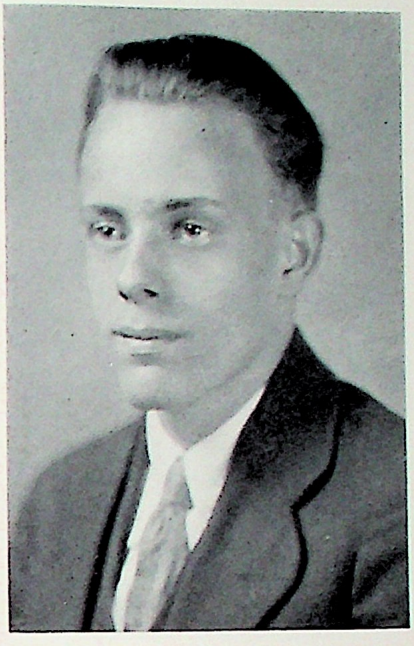
Electrical Engineering

Stuyvesant High School

Basketball, '29, '30, '31, '32; Captain, Basketball, '31; Class Sec'y., '32.

"Ballie" is one of those great big brutes that all the fair ladies fall for, but this does not make him less popular among his fellow students. To prove their admiration, they elected him their Class Secretary.

Although "Ballie" has been, and still is, spending a lot of time playing basketball, his school work is commendable. This fact was a mystery until someone spilled the beans, letting it be known that "Ballie" has a "politician's job" where studying is permitted.



MARTIN F. BROSCHE

"Brosh"

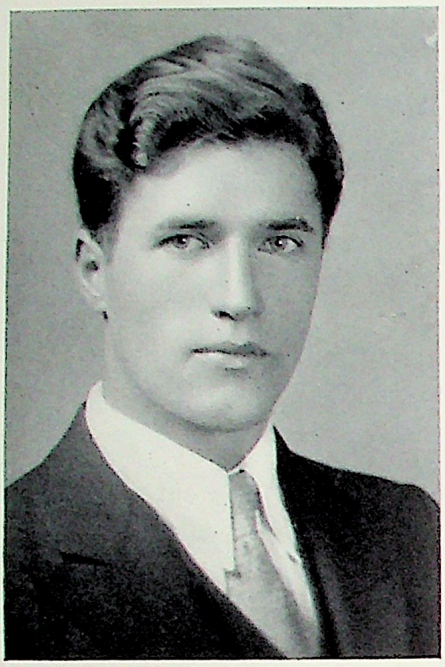
Electrical Engineering

Tappan Zee High School

Here is a good-natured fellow, always with a smile. He even laughs at Mr. Young's jokes.

His main hobbies are playing bridge and experimenting. Outside of studying, these two occupy most of his spare time. Ladies do not interest him and he does not smoke, drink or chew.

So there should be little to hinder "Brosh" in his aspiration to be a successful engineer. One thing though will keep him from becoming a big man in that field—his stature.



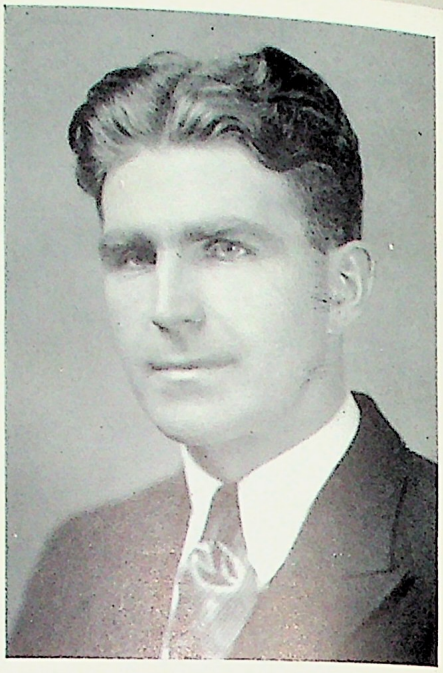
WILLIAM BURDIAN

"Bill"

Electrical Engineering

Stuyvesant High School

Believe it or not, the intelligent-looking young man whose likeness is reproduced above has recently expressed a desire to become a traveling hobo. (Not salesman.) Possibly due to this reason Bill never wears a hat and secretly uses the handle "Shapeless." However, judging from his present activities, Bill will probably turn out to be either a champion swimmer, photographer or maybe an Electrical Engineer.



JOHN J. CARROLL

"J. J."

ΦΣΩ

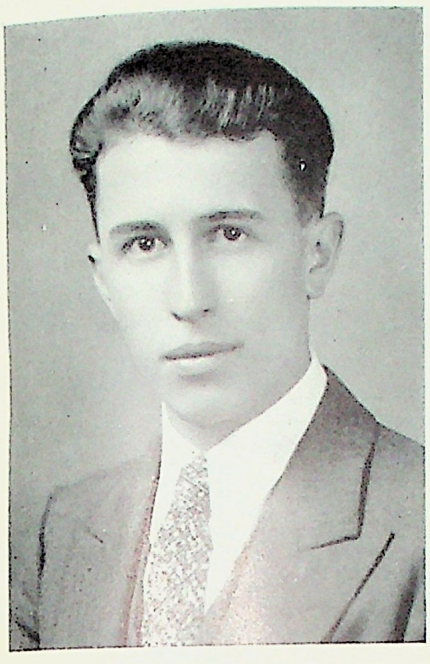
Electrical Engineering

North Monastery, Cork

Class Vice-Pres., '31; Staff Editor of Cable, '32; Gold "C," '32; Ex-Post Facto, '33.

J. J. is a true product of the "old sod." His quiet, unassuming manner plus his ever-present pleasantry has earned him a host of fast friends.

Elected to the position of Staff Editor of this CABLE, after a successful term in class office, he has proven his ability. Like every A. T. & T. employee, he aspires to the exalted title of vice-president, but though he may not succeed in this, we wish him success in his chosen field.



HECTOR CUTTICA

"Hector"

ΦΣΩ

Electrical Engineering

Technical High School, Italy

New York Evening High School

A. I. E. E.

Seven years ago Hector came to this country, seeking his fortune. His entry into Cooper Union let him in for five years of study in Electrical Engineering — a tough course. However, it seems that Hector thrives on hard work, for at present we find him in his Junior year, having ably passed all his hurdles thus far. Being a regular fellow, possessing good possibilities, success is sure to come his way. His classmates wish him the best of luck.

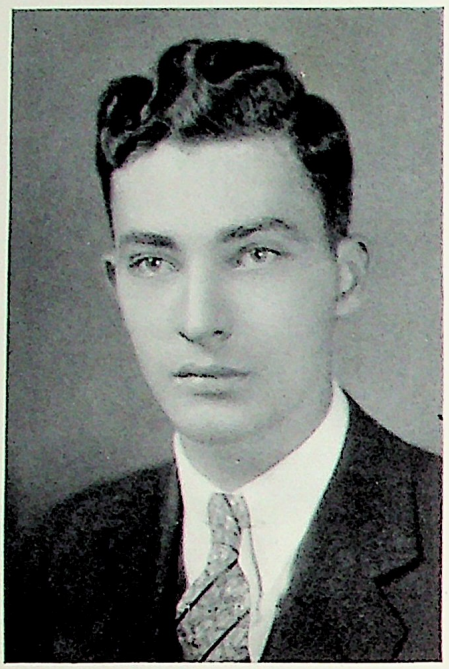
MORRIS DICHTER

"Dick"

Electrical Engineering

James Monroe High School

Dick's "Chevvy" and his irresistible mustachio not only single him out among us, but enable him to heavily weigh his aforesaid car with girls. He has the happy faculty of keeping the professors guessing, in the pursuit of scholastic endeavors, and has been compared with an Austin for this characteristic. He is also an expert in the radio field, having earned a reputation in dealing capably with dynamic speakers and push-pull amplifiers. So, he's to be given a great deal of credit and we all wish success to this best of good-natured fellows.



HAROLD T. DUNLOP

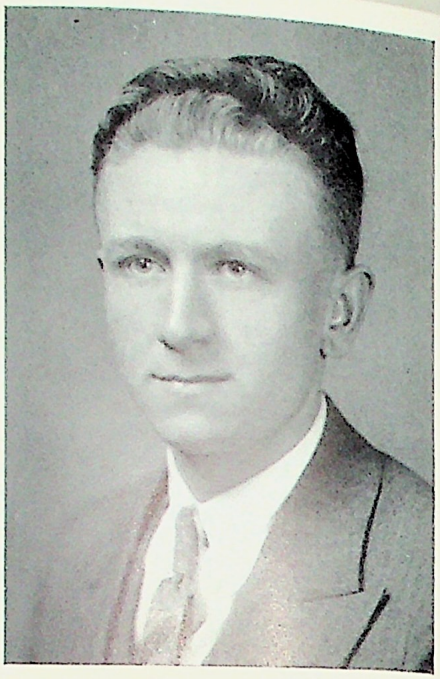
"Hal"

Electrical Engineering

Orange High School

Boon companion of Fred Gruner, connoisseur of the finest in automotive transportation, and a sincere appreciator of fashionable and fastidious women are but a few of Hal's numerous vices.

Of good old New Jersey stock (not listed on any exchange) Hal has about him an air of self-sufficiency, which can only be associated with those fortunate persons having business relationships with a financially powerful organization; i.e., Bell Telephone Company.



JOHN EGLI

"John"

ΩΔΦ

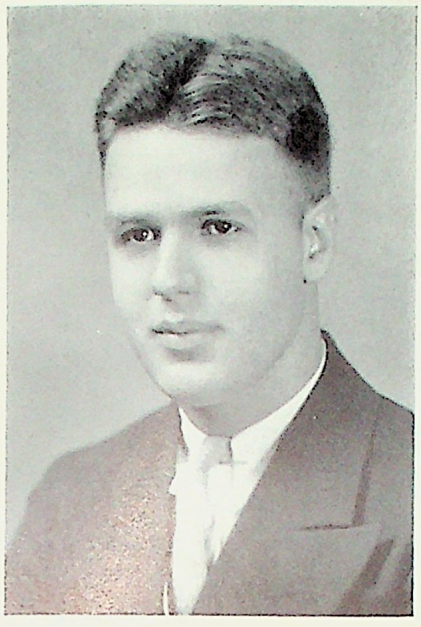
Electrical Engineering

Morris High School

Here lie the features of Egli, John,
A drafting man is he,
Who drew his "gadgets" on his board,
At International T. & T.

He scrawled all his lecture notes,
And thought them fine did he,
But reading them the Profs all moaned,
"Oh, fireman; spare that tree."

He studied all his subjects well
And knocked all quizzes flat,
He must possess a noble bean
To do such things as that.



TRAVERS S. ELLIS

"Trav"

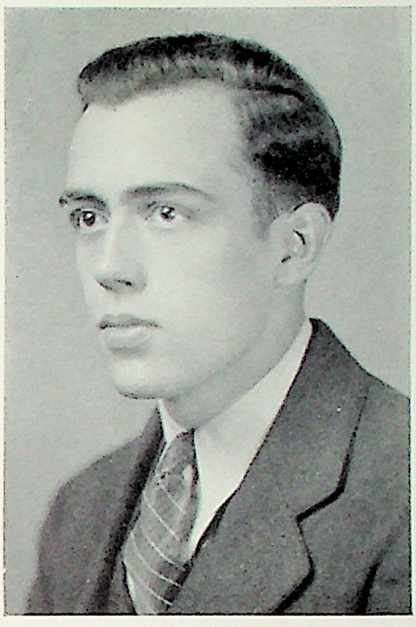
Electrical Engineering

George Washington High School

Class Treas., '30; Class Pres., '31; Class Vice-Pres., '32.

"Just a good man" is the reputation that this math hound from George Washington High has earned. Trav really is quite an exceptional person. Even though handicapped by small stature and boyhood in the Bronx, Trav continues to dream of huge accomplishments. He stubbornly maintains that he is studying Engineering because he likes it.

Thus far immune to all feminine charm, Trav still has a few lessons to learn which are not included in the curriculum of Cooper.



MARVIN O. FICHTER

"Fic"

Electrical Engineering

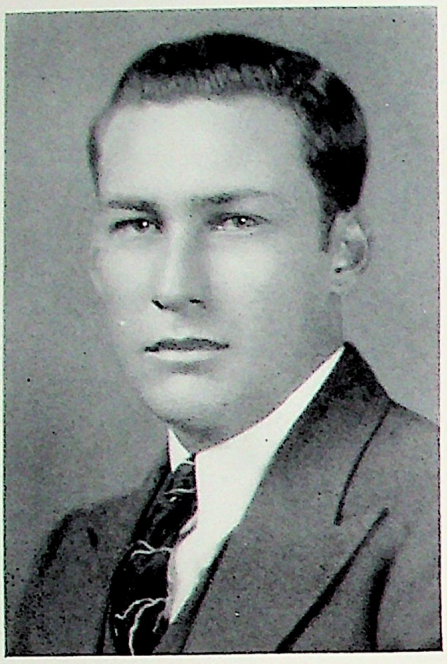
Brooklyn Technical High School

A. I. E. E.

Fic, as his close friends call him, is an unassuming, intelligent, thorough, investigating sort of chap.

He takes pleasure in crowding more connections into a single switch than would seem possible to the less able of his squad and they work, too!

He takes his drawing seriously and is the guiding hand to many around his table. He knows more ways to fake a complicated drawing than Feinstein knows to mess it up.



ANDREW FRANQUI

"Frankwi"

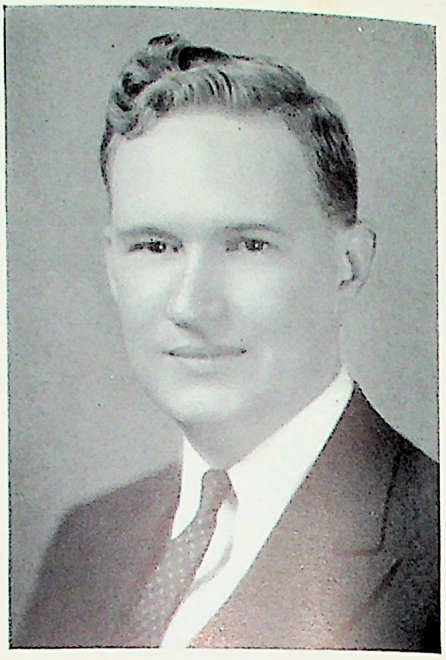
Electrical Engineering

Cabo Rojo High School

Frankwi has a beautiful Spanish accent which matches his name perfectly. He usually sees the humor in a situation before the rest of us have a chance to wake up.

He is capable of quick, accurate reasoning, which usually makes him the unofficial foreman of his squad.

He always reports with his assignments completed. We suspect that this is not due to any superior speed in solving problems, but rather to an excess of endurance on his part.



LAMBERT FREERICKS

"Lammy"

ΩΔΦ

Electrical Engineering

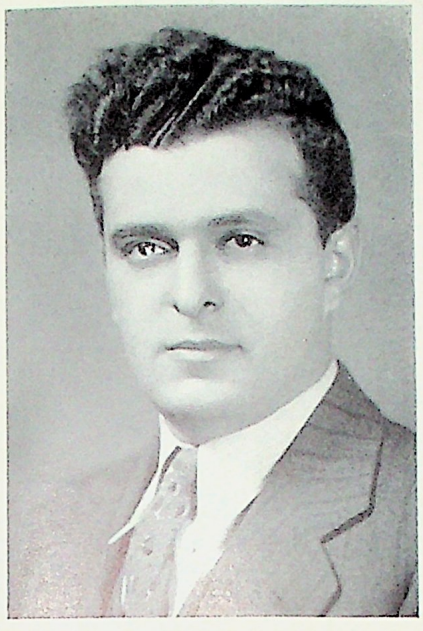
Mechanics Institute

Class Secretary, '29.

"Lammy" is a misnomer.

He is a practical joker who takes fiendish delight in making 'phone calls at 3 A.M. Thermodynamics is his meat, but, unfortunately, he is a vegetarian.

"Lammy" is a veteran, but hopes some day to realize his ambition and receive a diploma from Cooper Union.



ALEX FRIEDENTHAL

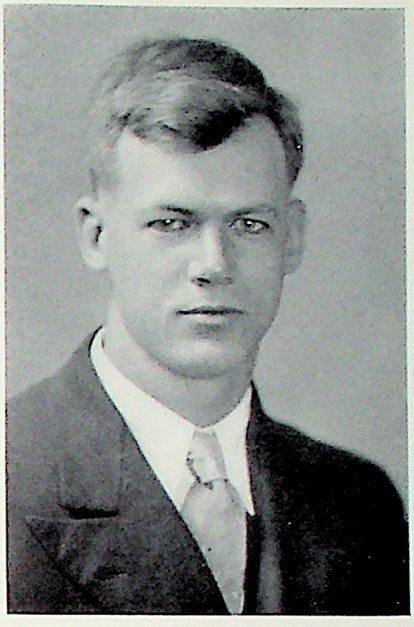
"Al"

Electrical Engineering

Behold the features of a man
Known far and wide as Al.
That noble look upon his pan
Would do for any gal.

He enters every lecture class
To hear a lecture there.
He tries so hard to keep awake,
But snoozes in his chair.

In spite of all his snoozing, and
In spite of traveling fast,
He makes those grades, and looks as though
He's surely built to last.



ALFRED F. FROST

"Frosty"

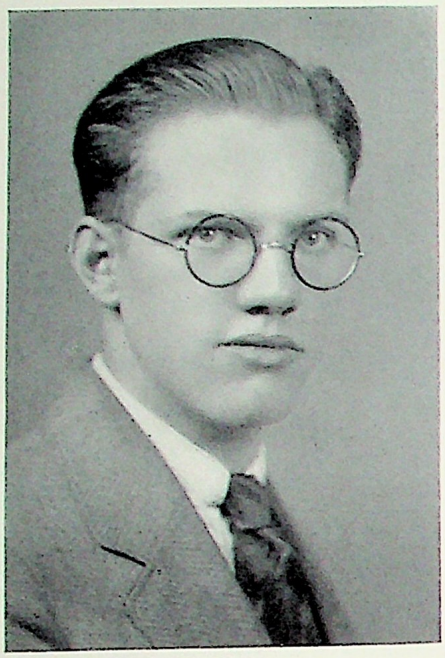
Electrical Engineering

Manasquan High School, N. J.

Pratt Institute

Aside from "Diffs" and Heat, Frosty has found time to build a short wave set and log stations halfway around the world. He can stay up all night listening to some western amateur's Q.S.O., but how he can snore through a short lecture on armature reactions!

He earns a livelihood by finding faults in meter equipment and makes time, during working hours, to take photographs of Manhattan. What a man! 6'3".



WILLIAM E. GEIPEL

"Steamboat Bill"

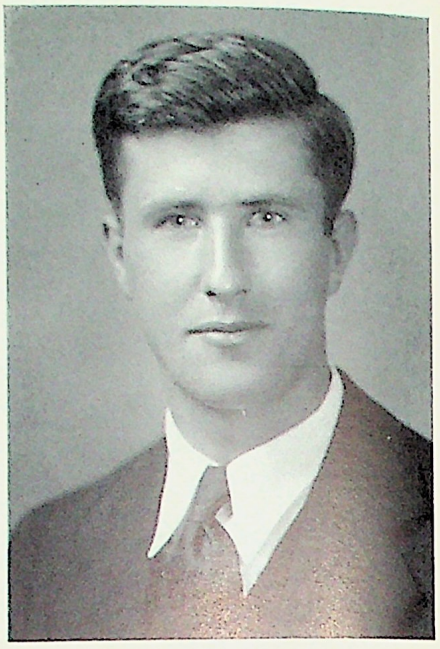
Electrical Engineering

Richmond Hill High School

Here is a name which is unconsciously associated with hilarious humor. Bill's reputation as a comedian is class-wide. As the name of Lipton is a synonym for tea, so is Geipel a synonym for good jokes (?).

Friend Geipel resides in far-off Brooklyn (a significant reason for its "shady" reputation). What heart-rending scenes occur nightly at the Canal Street station of the B.M.T. as Bill unwillingly tears himself from our midst to depart, via devious routes, for his native land.

But, seriously, the earnest and conscientious effort that Bill puts into his school work should carry him far towards the associate-editorship of "Ballyhoo."



JOHN W. GILLIM

"Gil"

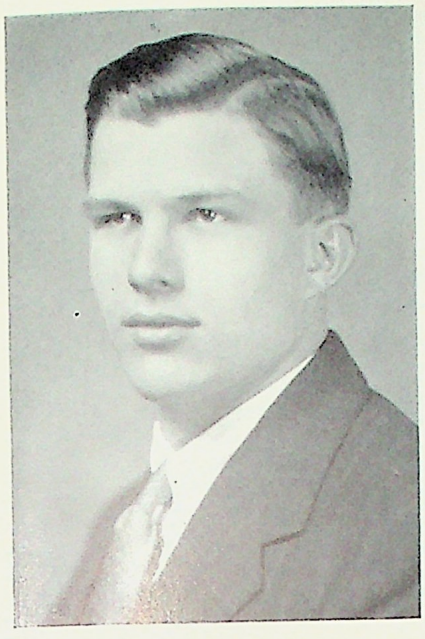
Electrical Engineering

Leonia High School

Gil has a reputation as an amateur humorist, being second only to Geipel in the dispensing of laughable material.

Spending many hours in burning the midnight oil he aids, in his own small way, in increasing the dividends of the Standard Oil Co. of N. J., with whom he has the good fortune to be employed.

His weakness women? Hell NO! Foreign automobiles. His Bugatti Speedster and Austro-Daimler Alpine Grand Sports Tourer are, as Gil puts it, "cars with souls." Being "poor but honest," his success in his chosen field is assured.



ERICH GRABER

"Eric"

ΦΣΩ

Electrical Engineering

Bryant High School

Class Treasurer, '29.

Eric is one of those big fellows who have to duck their heads every time they enter or leave the subway. Not having a long list of activities you might think him slow, but just try and follow him. He actively takes part in all walks of life, and having the qualifications of what may be termed an engineer, we predict a successful future for him. He is well liked by all.

FREDERICK R. GRUNER

"Fred"

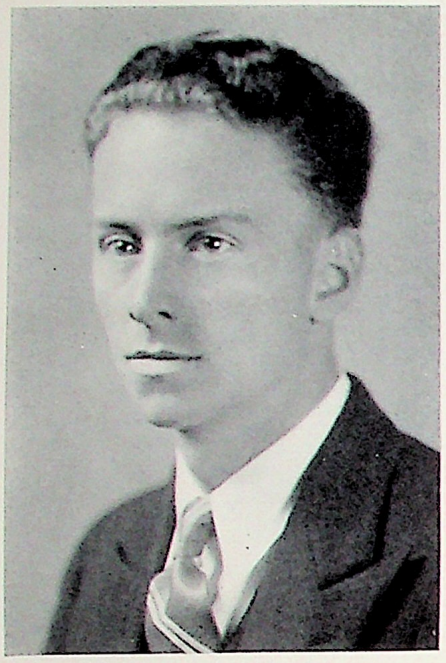
Electrical Engineering

Paterson Central High School

A. I. E. E.

Fred is one of the intelligentsia from New Jersey who have invaded Cooper in the past few years. A true friend and benefactor of the hard-working student, Fred's ambition is to design escalators for the Cooperites.

Fred intends to delve further into Electrical Engineering and find out if Cooper really omitted anything. The class of E. E. '33 wishes him all of the success which must inevitably befall him.



WILLIAM J. HAMM

"Bill"

ΩΔΦ

Electrical Engineering

Curtis High School

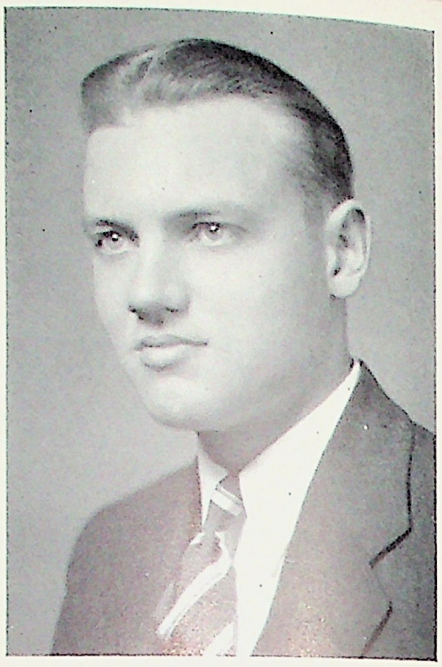
Football, '29, '30.

When Bill first entered Cooper's portals it was for the study of Chemistry. However, after a fair trial of two years, he decided that test tubes were not for him and shifted to Electricity. He continues to excel in the study of that difficult field.

Bill somehow managed to find time for football and played a sterling game at tackle for two years.

His sincere, jovial manner has won him the friendship of all and should help him to go far in his chosen field.

That rosy complexion is a great ad for Staten Island.



H. WALTER HOLMLIN

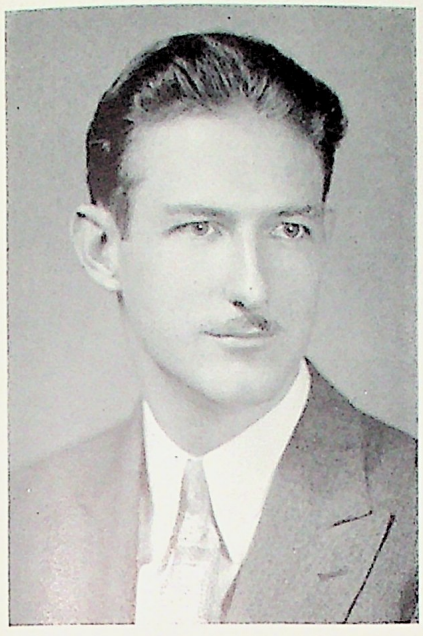
"Walt"

Electrical Engineering

Brooklyn Technical High School

Luckily for Walt, New York City has provided a subway system whereby he can travel between Cooper Union and Bay Ridge without appearing in public. However, there are nights when a group of "hello girls" board the B. M. T. train at Cortlandt Street just to get a look at the tall blonde fellow who rides out to 95th Street.

The class is expecting real things from Walt after he graduates. His earnest efforts in class are noticeable by his occasional trips to the Land of Nod at 7:30 P.M.



ARTHUR LUDWIG

"Ludy"

Electrical Engineering

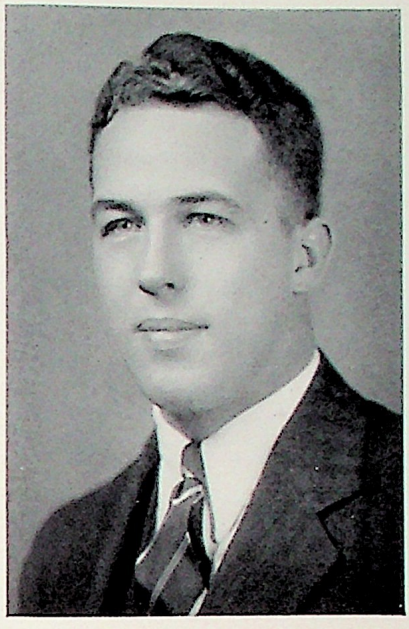
Stuyvesant High School

Stevens Tech

Class Treasurer, '31, '32.

Since Ludy has taken to himself a life partner, little has been seen of him around the halls of Cooper. He arrives promptly at 7:15 and leaves at 9:30. He has the sleek, well-fed and contented look that speaks well of married life. What a lucky fellow!

Always is wide awake in class and ready at any time to share his knowledge with his classmates. Humorous stories are forever falling from his lips, while his pet diversion is to buttonhole his instructors and "chew the rag" for half an hour.



LAWRENCE R. OSWALD

"Ozzy"

ΦΣΩ

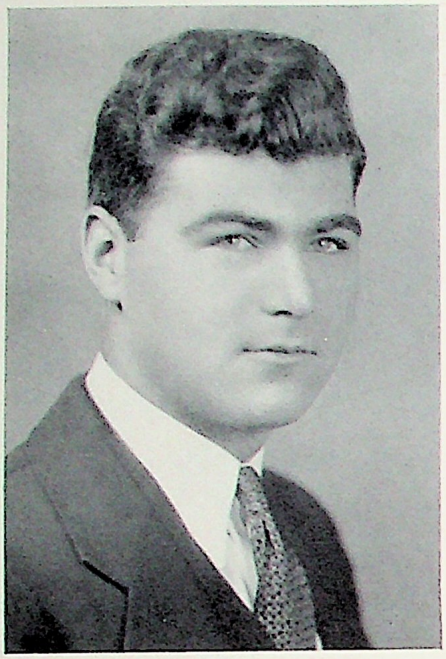
Electrical Engineering

Hackensack High School

Class Vice-Pres., '29; Class Treas., '30; Class Sec'y., '31; Photo Editor of Cable, '32; Gold "C," '32; Ex-Post Facto, '33.

If the classes of Cooper were filled with men like Larry, Cooper would be a student's Paradise. However, the Profs might feel differently. Larry does not hesitate to extend a helping hand to a brother student in distress, but he also does not hesitate to ask numerous and difficult questions of his instructors.

His good looks, neat dress and pleasant manner should make him a hit with the ladies. However, Larry may be seen, any Friday night, toting a Gladstone bag, on his way to see that certain someone in Jersey.



ROBERT L. PEAVEY

"Bob"

Electrical Engineering

"Bob" is that outstanding young fellow who causes those palpitating hearts among the frail young things who travel down with him from that far region called, in polite circles, "the Bronx," renowned mostly for its universally known cheer.

Aside from his social attainments, "Bob" is the student who asks those disturbing questions in class, thus ruining a perfectly planned lecture.

He is a man of few words but that is the sign of an ardent student, and, with his ambition, he is sure to go far in this world.

HAROLD E. PRUCHA

"Hal"

ΦΣΩ

Electrical Engineering

Stuyvesant High School

Wrestling Team, '31.

Hal, our rising young elevator engineer, hails from the wild wastes of Long Island. Between wrestling, photography, and valiant attempts to keep his fleet of fast cruisers in repair, not to mention his industrious plugging at school, he is kept well occupied.

However, with all these activities, he still appears to be able to devote a considerable amount of time to someone who seems to interest him deeply, and whom, for some reason, he apparently attempted to drown last summer.

JESSE B. SHERMAN

"Jess"

Electrical Engineering

Morris Evening High School

"Jess" has shown himself man enough to shun the lures of the opposite sex, thus enabling him to spend all his time on his studies.

Not satisfied with being a student, he has taken on the duties of technical adviser for a leading New York radio distributor, thus obtaining essential practical experience. He supports his ambition with intensive study. Surely he should be among the first on the honor list of the graduating class of 1933.

FERDINAND C. SLAVIK

"Ferd"

Electrical Engineering

Stuyvesant High School

Due to the neighbors in New York objecting, the wail of his saxophone, the shrill scream of his clarinet and the strains of his violin now emanate from the wilds of Astoria, Long Island, where it seems the neighbors know that music hath charms.

He came to this college with the intention of becoming a consulting engineer. Though quizzes, exams and homework have tried to still this intention, he is still struggling to attain his ambition.

Besides his orchestra, his pet hobby is puttering around with the motor of his "flivver," the screws of which are never safely tightened.

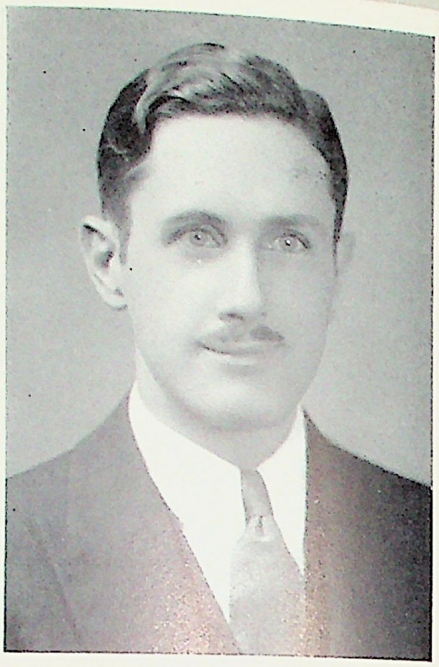
HENRY SOLLER

"Dutch"

Electrical Engineering

Bismarck High School

Henry has a consuming desire to become a consulting engineer. His numerous sketches of everything imaginable and his copious notes on things to remember will stand him in good stead. Aside from his engineering pursuits, he has a penchant for playing a trumpet, stupping like a "boilermaker" while so engaged. We often wonder how he remains a member in good standing at the Y.M.C.A., where he dwells. But, like all scientifically inclined men, Henry is a poor hand when it comes to the opposite sex. He blushes behind the ears when in their presence, and this, coupled with his set ways, leads us to say, in the words of Shakespeare, "What a time some girl will have with him."



EUGENE R. SPIES

"Gene"

$\Phi\Sigma\Omega$

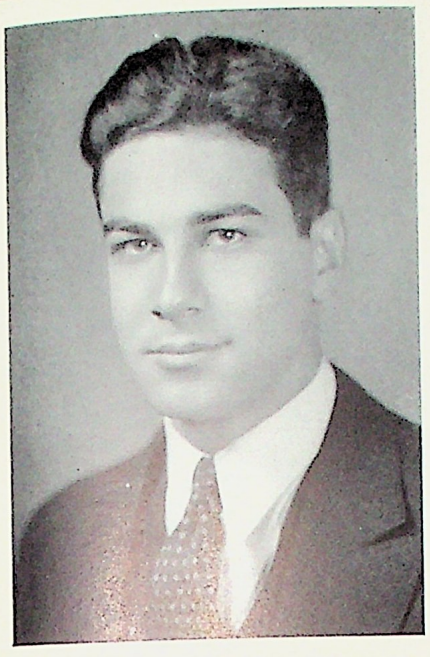
Electrical Engineering

Port Chester High School

Since Gene moved to Mt. Vernon and became a commuter he hasn't been seen about school after 9:30. He breaks all records in a dash for the Third Avenue Express in order to catch the Northbound "choo-choo" for Mt. Vernon.

Gene forgot to wash his upper lip one morning, and liked the result so much, he hasn't washed it since. He thinks it is a mustache but we know better.

Cooper Union is his first flight into the realm of higher learning, outside of the little town of Port Chester, and we wish him every success in his chosen field.



EUGENE R. TREICHLINGER

"Gene"

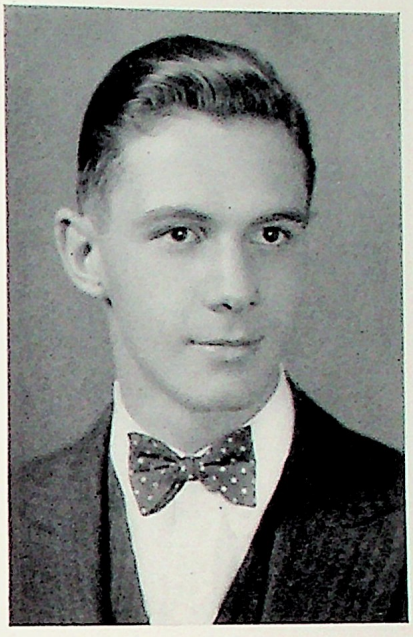
Electrical Engineering

Morris High School

Junior Prom Comm., '32.

Perhaps the secret of Gene's success lies in his good-natured, easy-going disposition. Work seems never to worry him, regardless of its perplexities.

When it comes to revising and correcting laboratory experiment sheets, Gene is right on the job. Succeeding classes will be indebted to him for his work along those lines. However, there remains one problem which he cannot solve: Why must mechanical drawing be included in the curriculum? He thoroughly agrees that school would be far more interesting were drawing omitted.



WILLIAM VAN ROSENBERGH

"Van"

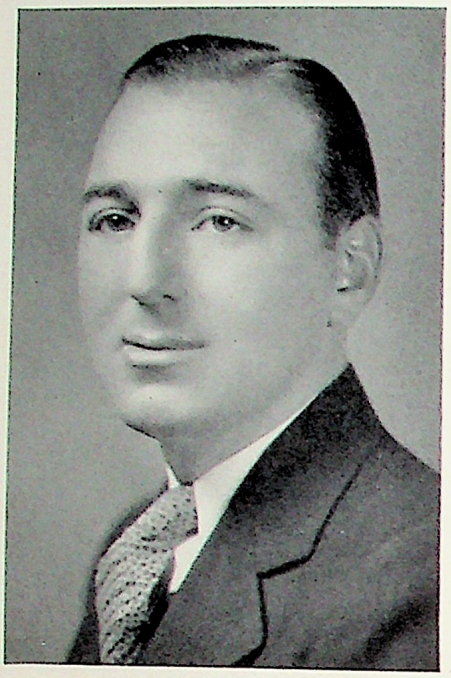
Electrical Engineering

Central High School

Class President, '32.

"Van" is one of those boys who comes clean from Paterson. (If that is possible.) According to latest reports his big ambition in life is to invent an automatic machine to do his drawings. His two hobbies are cultivating his voice and just plain cultivating. If this depression continues we may soon find him "yodeling" for his supper.

Judging from his scholastic record, his fine character and ability, his success is assured.



SAUL S. VELLEMAN

"Sam"

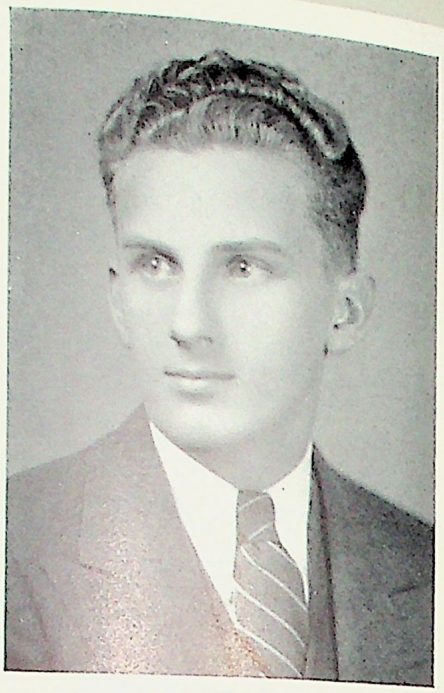
Electrical Engineering

Malden High School

Sam is a likable chap whose sole ambition is to make good in life. Engineering is his pet hobby. He is what might be called a self-made man. Sam is a swell dresser, that's why his tremendous wardrobe is a shining example of what a common-sense person of the 20th Century should wear.

He claims that you should always load your dinner plates heavier than you could possibly lighten them.

Well, Sam, here's hoping that the mental tortures you undergo at Cooper do not impair you in any way!



W. WALLACE WAGNER

"Wally"

ΦΣΩ

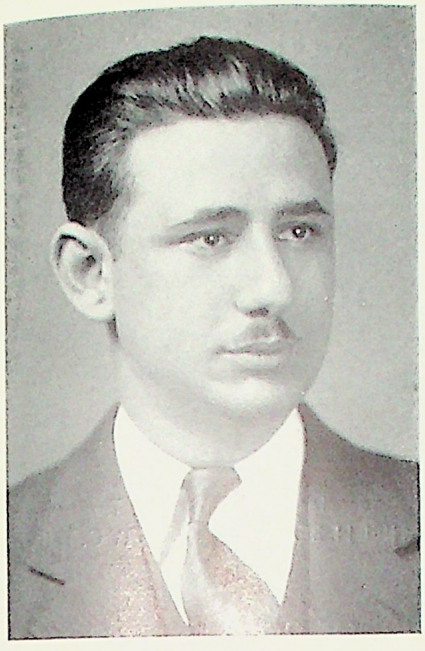
Electrical Engineering

Bushwick High School

If you should be a person who measures a man's importance by his size, then you have never heard of Wally. His personality and size just can't be compared because Wally is a little man with a big personality. It is rumored that Wally is studying Electrical Engineering because he likes it, otherwise he is quite human.

This son of Bushwick High School is a staunch supporter of the decibel, being a member of the army of "telephone men" who overrun our fair campus.

We are sure that some time, somehow, telephone service will be improved due to Wally's training at The Union.



SIDNEY WEINBERG

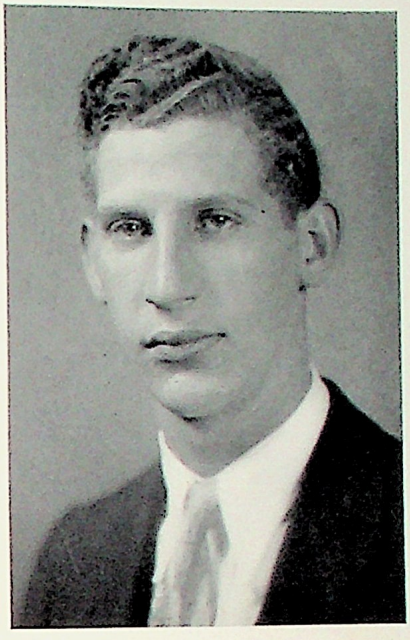
"Jip the Blood"

Electrical Engineering

New Utrecht High School

Sid is one of our demon electrical wizards who bid fair to take the place of the late Professor Steinmetz. Since all great men have hobbies, Sid spends his time thinking of impossible questions to ask the instructors, and devising ingenious games to help while away boring lecture hours.

Despite his eccentricities Sid appears to be well on the road to success and should go far in his chosen field.



IRVING WENZOUSKY

"Irv"

Α Μ Σ

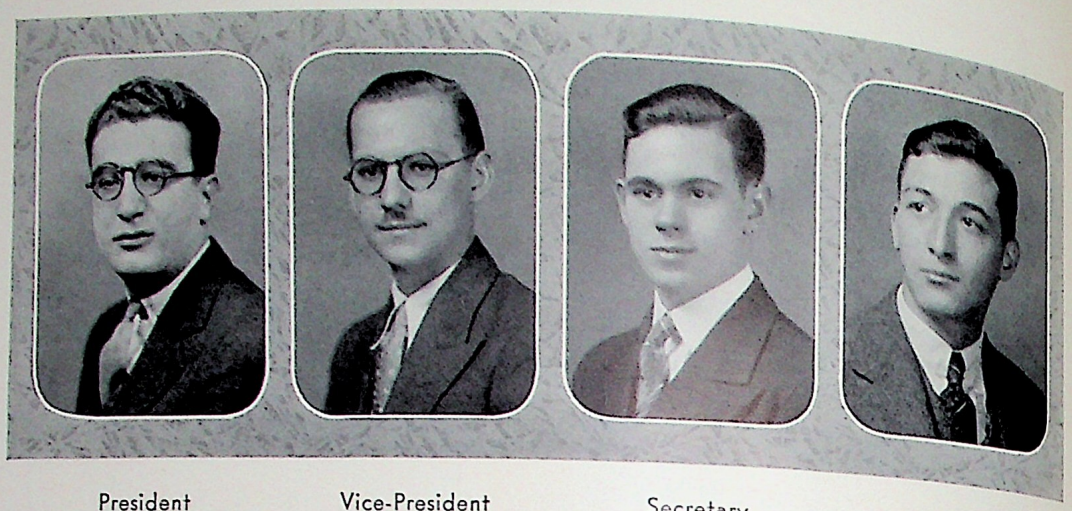
Electrical Engineering

Eastside High School, Paterson, N. J.

"Irv" is one of Cooper's out-of-town boys, hailing from Paterson, N. J. Although far from being a "book grind," Irv manages to succeed amazingly well in his studies.

His pleasing personality and "wise cracking" ability make him a favorite among his friends (including the weaker sex).

"Irv's" ambition is to make good in the Electrical Engineering field and the class is pulling for him in a big way.



President
CHAS. J. MORRELLO

Vice-President
JOSEPH A. KORANY

Secretary
DANIEL H. BEATON

Treasurer
HENRY C. THEURER

Chemical Engineering

FOR four full years we have been tackling a task which will take another year to complete. Often, in that time, we have felt a desire to lie down by the wayside and leave it undone, but like soldiers, we struggled on to gain our goal. And now, as it is neared, we look backward, to clearly see that which kept us from falling and urged us onward was the golden chain of friendship, formed as we struggled along. Each neighboring link like a bond that made secure the train, one ready to push and the other ready to pull us along the more rugged paths. Each bond, a guiding star that kept us from getting lost; a charm that influenced us to continue forward; an inspiration, like a brave leader, who would say naught but "Carry on!"

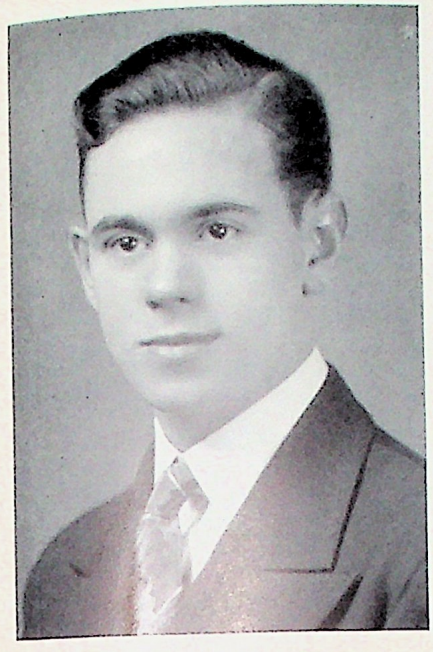
We have found every member of the class a link; every member of the instructing staff a guiding star, an influence, an inspiration.

In the dark hours of despair, it was these friendships that cheered us like a sunbeam. Through the cold nights of study, it was these self-same friendships that warmed us like wine. Through the long years of labor, these were the very friendships that made them seem short.

Time has but served to make brighter the sunbeams, more warmer the wine and shorter the years.

It is our hope and our prayer that our chain increase in length and in strength in our final year; that those stars continue to guide us and those charms to inspire us; and that time will evidence the same manifestations that it has already done, as it grows older by that year.

THE HISTORIAN.



DANIEL H. BEATON

"Danny"

Chemical Engineering

Greenhead Academy, Scotland

A. I. Ch. E.; Class Sec'y., '30, '31.

Danny hails from Glasgow, Scotland, and is, therefore, endowed with a sense of humor, characteristic of most Scots.

Danny's chief ambition seems to be in catching the 9:35 at the B.M.T. station. We strongly suspect it's a blonde. If ever a chemist emerges from this class, it will be "Professor" Beaton, as one of his instructors predicted some time ago. "Lab" work is just child's play to Danny for Du Pont taught it all to him years ago.

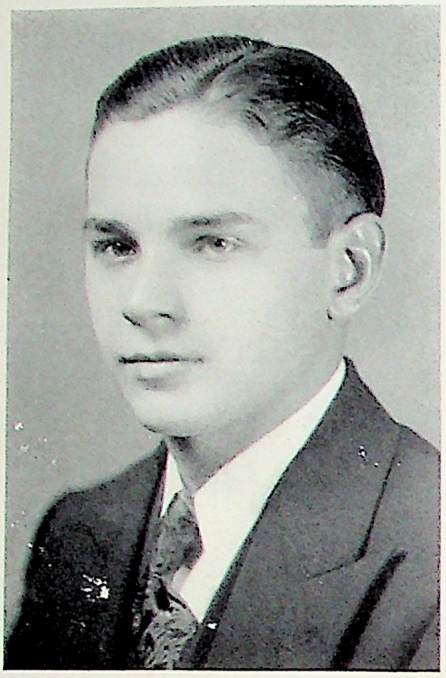
JOHN B. DE COSTE

"Jack"

Chemical Engineering

A. I. Ch. E.; Class Vice-Pres., '29; Class Pres., '30, '31; Gold "C," '31; Bus. Mgr., Pioneer, '31.

John is the type of fellow who makes things go right. He never rushes headlong into anything without first considering every viewpoint. Well, we know this, for many a time has he saved us from serious consequences. He certainly believes in haste makes waste. If this is what goes to make up the true engineer, then John will be a credit to his profession.



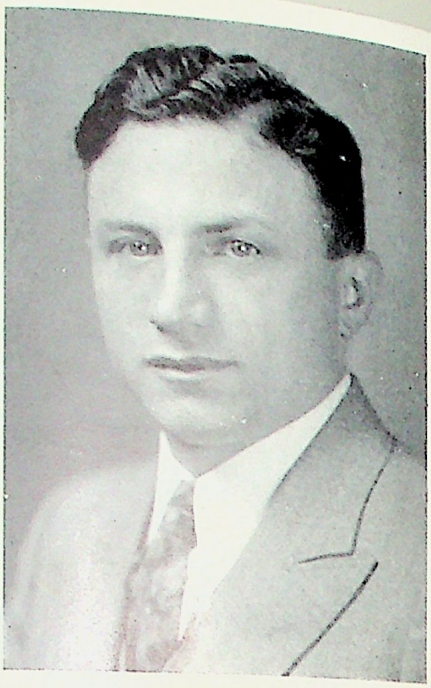
MICHAEL HIBNER

"Mike"

Chemical Engineering

Class Vice-President, '31.

Mike is the baby of the class and his winning ways have made him many friends. It is a common occurrence to see Mike come to class wearing one of his gorgeous ties. Yes, they are vivid. If he were not always so well dressed, the ties would be the reason why so many girls follow him. Oh! for that technique.



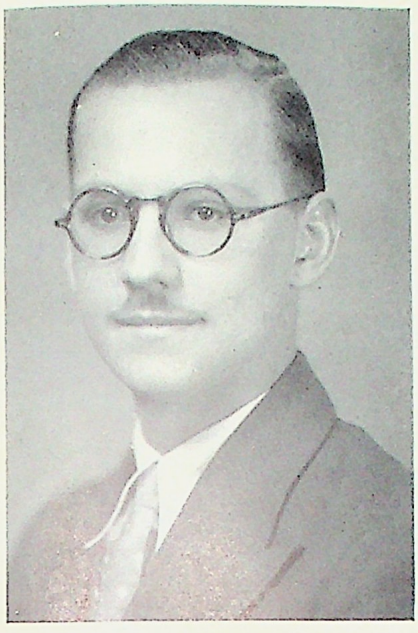
EMIL KAYSER

"Emil"

Chemical Engineering

A. I. Ch. E.

Emil is one of those quiet, unassuming souls who go through life making and keeping a multitude of friends. In fact, we may even go so far as to say that every one he comes into contact with has succumbed to his personality and charm. Further, we will venture to suggest that when he broadens his field of human contacts, each and every one he meets will find in him the same attractive human sympathy that has endeared him to us. Our only wish is that he succeed as well out of school as he has within.



JOSEPH A. KORANY

"Joe"

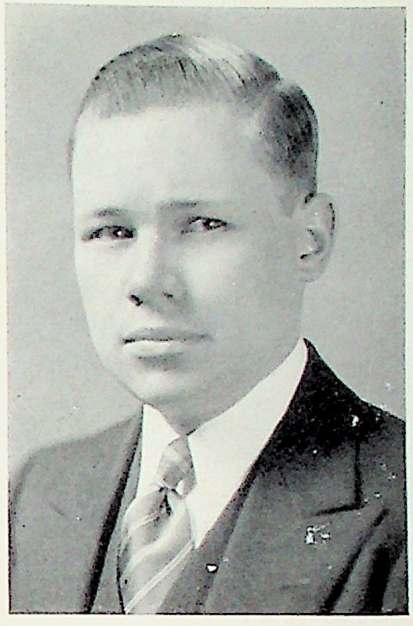
Chemical Engineering

Class Vice-Pres., '30, '32; Tennis Team, '30, '31; Tennis Mgr., '32; Ass't. Bus. Mgr., Pioneer, '31; Bus. Mgr., '32.

Joe is one of the few individuals who are fortunate enough to combine ability with a jolly good humor. Regarding his humor, it may well be said that here, indeed, is a fellow of infinite jest.

His outward appearance is scholarly, but, Oh! Madam! don't be deceived, for underneath is a nature that would make Don Juan look to his laurels.

Executive ability has been shown by Joe in the admirable manner in which he held class offices and managed our newspaper.



VINCENT I. McCLUSKEY

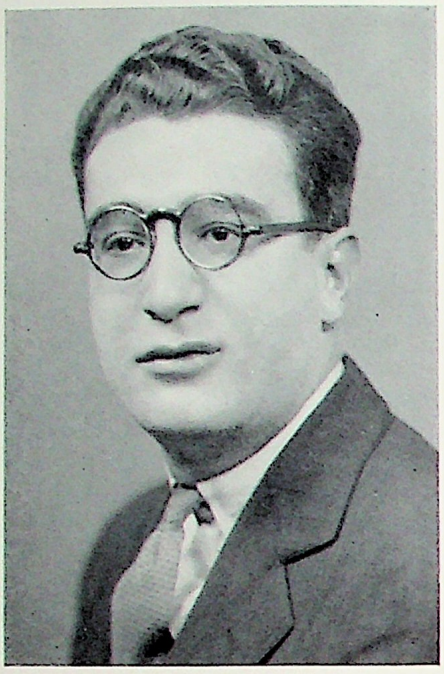
"Vince"

Chemical Engineering

Penn State

"Mac" came to us only this year from Penn State; and with the transfer of his records came the transfer of his affections.

His main interests lie in the domain of pure chemistry, particularly in the more recent interpretations of its phenomena. However, he does not permit this to obscure the sometimes more interesting and practical side of life, and is accordingly grooming himself, working for the Western Electric Company. We believe this to be a stable adjustment for one of his temperament, and wish him success in his chosen field.



CHARLES J. MORRELLO

"Charlie"

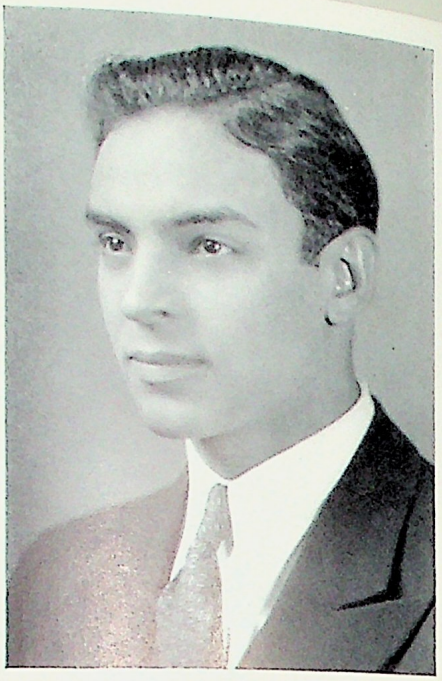
ΩΔΦ

Chemical Engineering

De Witt Clinton High School

A. I. Ch. E.; Newman Club; Class Pres., '32; C. U. N. S. C., '32; Publicity Chairman, Annual Entertainment and Dance, '32; Junior Prom Comm., '32; A. I. Ch. E., Sec'y., '31, '32; Executive Board, Newman Club.

Calm, collected, confident, cheerful, either as chairman of the class of '32, or in the face of the most intricate chemistry problem; that is "Charlie." From his pleasing personality and his cultured ways, we see in him a worthy descendant of the Roman patrician. We will remember "Charlie" for his innate ability for leadership, his sunny disposition, and his solid knowledge. An honor to his school, an honor to his race, and an honor to his country, we predict an exceptional future for him.



SAMUEL POLLOCK

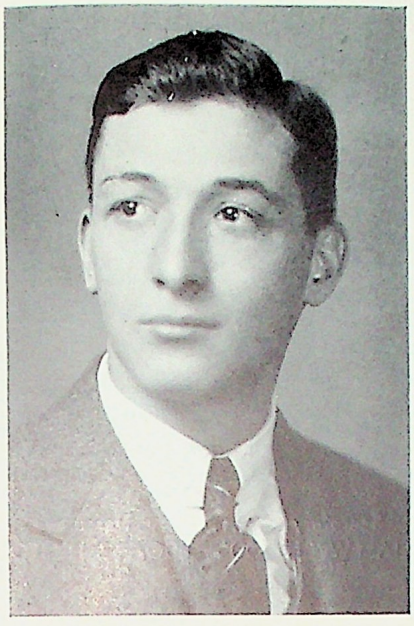
"Sam"

Chemical Engineering

Townsend Harris Hall

He wants to do chemical work, but the nearest he has gotten to the fulfillment of this ambition is selling chemical sets as part of his work of selling toys and stationery. He is always getting ideas—impractical ones; but better to have useless ideas than never to have had any at all. So he thinks, anyway!

Athletically built, his favorite sports are baseball, swimming and bicycle riding. His interests are so varied that he can even take care of his studies successfully.



HENRY C. THEUERER

"Henry"

Chemical Engineering

Stuyvesant High School

Class Treas., '29; Class Sec'y.-Treas., '30; Class Treas., '32.

In spite of the fact that Henry is class treasurer, he is very popular. He is a good worker and is always ready to help others. He never sits up nights studying, yet always makes the rest of the class sit up and take notice when it's time to solve a difficult problem. He is one to whom success is a foregone conclusion and a good indication of it is his scholastic standing.

JOSEPH WEINER

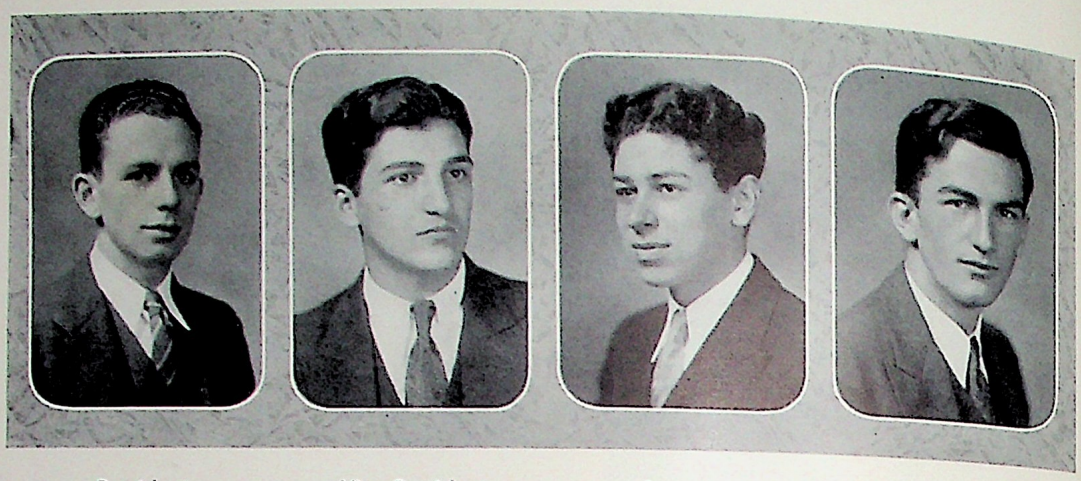
"Joe"

Chemical Engineering

Chemistry Prize, '29.

Joe, whose one main weakness is riding a bicycle, took a trip to Niagara Falls last summer, aboard his bike, with Sam Pollock. Since then he has never been the same. Perhaps he was overawed by the solemn grandeur of it all.

If ever anyone has a written assignment ready and complete it is Joe. He always endeavors and succeeds in remaining a lap ahead of the rest of the class when it comes to work. He will need no handicap in the race of life.



President	Vice-President	Secretary	Treasurer
FRANK J. COSTELLO	CHARLES J. LAGRECO	WILLIAM W. RIGROD	EDGAR D. HINTON

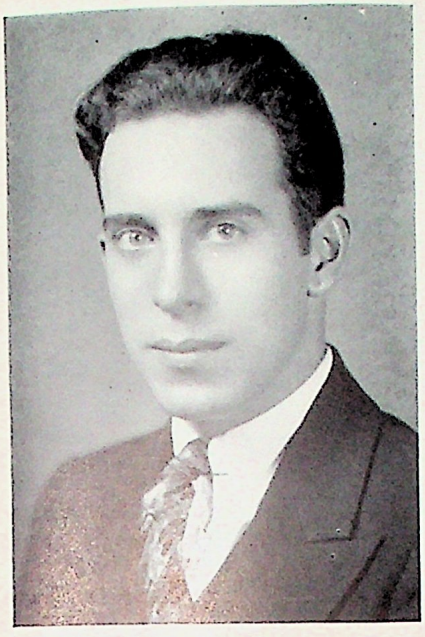
Institute of Technology

TURNING back the pages of our class history, we can see no record of herculean strife or of epochal deeds, such as make the classical histories; nor can we see any spine-chilling romances or ethereal idyls. Page after page reveals nothing extraordinary. But why expect that history to be fantastic or strange in any way? In the short interval of three years, changes more profound than the economic depression could hardly occur; and that one certainly has carried with it little romance.

Many indeed have been the social functions our class has held, evenings when we have all cast aside the bonds of study, and strengthened the ties of fellowship! Do you remember your first "grand affair," 'way back in 1930, when you destroyed the peace of the theatre, and later the peace of mind of the headwaiter? Do you remember how many fellow-freshmen you really got to know for the first time that evening? No doubt your memory is a bit clouded by now, but surely you cannot forget your rich pleasure in it all, and in your newly found "class spirit."

Business meetings, dinners, dances, theatre parties, and the Prom, all hold their niches in the gallery of reminiscences. Outwardly these events are but names, identical with those of countless other classes; but, just as each class is different from all others, so our gallery of niches is different from all others, and can have meaning and value only to us, the Juniors of 1932!

THE HISTORIAN.



LESTER E. BAUSER

"Les"

ΩΔΦ

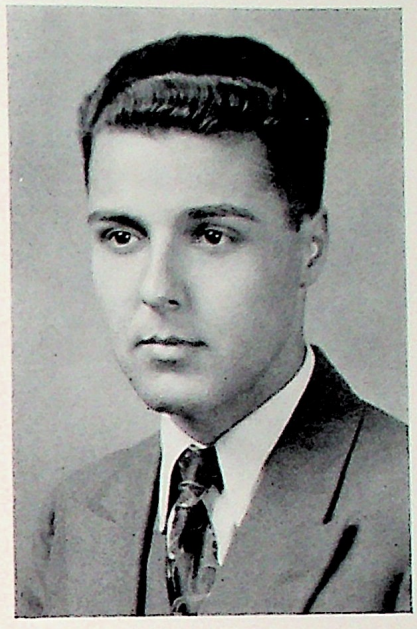
Mechanical Engineering

Richmond Hill High School

Math Club; Scholarship, '30, '31; Treas., A. S. M. E., '32; Orchestra Conductor, '32.

Les, senior member of the firm Bauser & Bessio, happens to be our versatile orchestra conductor, and he sure wields a mean baton. His slogan is "Bigger and better music for Cooper."

He is the most active man in the M. E. group and is near the top of the scholastic list. He is our best-liked and least troublesome classmate. He is capable in answering the questions on any subject his classmates wish to ask him. His laboratory reports are a good example of neatness.



OSCAR BESSIO

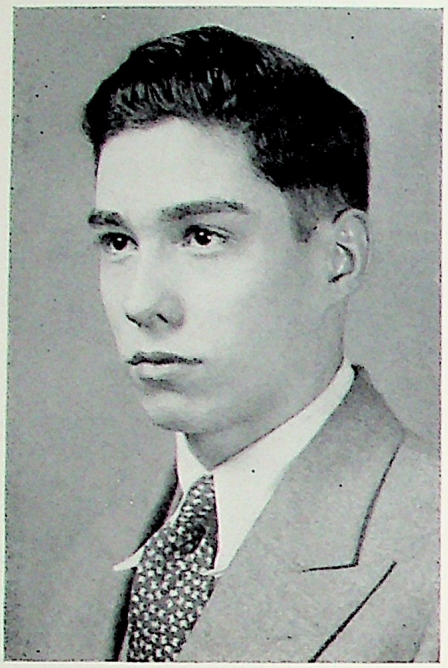
"Bess"

Mechanical Engineering

Dickinson High School

A. S. M. E.; Math Club; Tech Orchestra; Tech Student Council, '31; Scholarship, '31.

"Bess" goes about everything quietly but efficiently. He doesn't believe in blowing his own horn. (He plays a violin.) For the past two years he has worked conscientiously for the betterment of the Musical Organizations at Cooper Union. "Bess" is the man responsible for the orchestra column in the "Pioneer" each week. In spite of all his extra-curricula activities, he has been able to maintain a high scholastic record, which is proven by his recent scholarship.



MARCEL J. P. BOGART

"Bogey"

ΛΣK

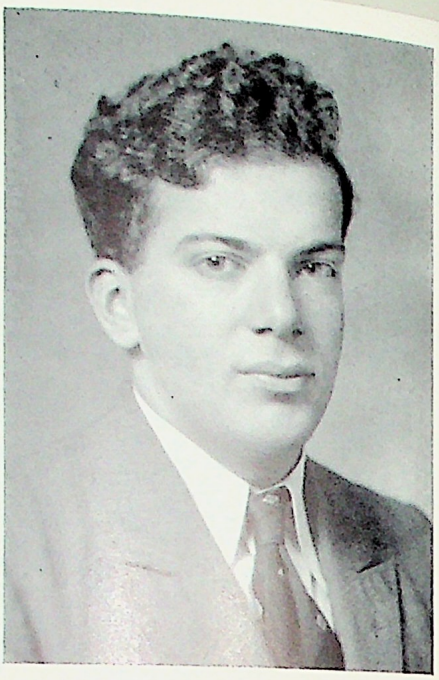
Chemical Engineering

Washington High School

A. I. Ch. E.; Math Club; Rifle Club; Junior Prom Comm., '32.

Marcel J. P. Bogart is, as mentioned above, a chemical engineering student. He is sure to succeed, for his methods of attacking problems are unique. In chem. he takes a nap and wakes up with an analysis, correct to the nth degree.

One must admit, however, that he does try to be serious. His chief hobby is tracing curves and studying their characteristics. Anyway, we're with you, "Bogey." Good luck!



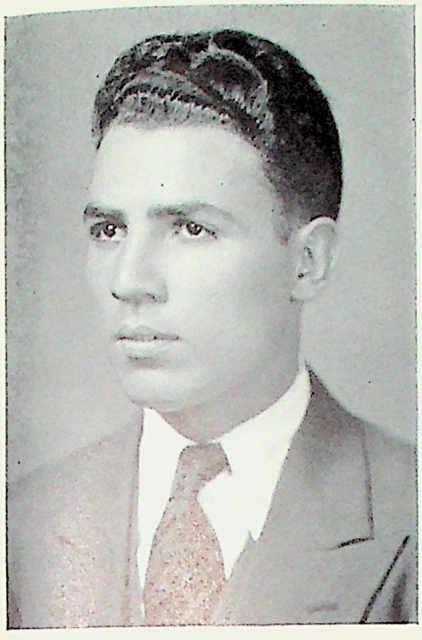
JOSEPH BRAWER

"Joe"

Electrical Engineering

Math Club, '28, '29; Life Saving Swimming Coach, '28, '29.

Joe is another out-of-town boy. In addition to his regular curriculum, he carries a heavy program of outside activities. After an intensive course in Physical Chemistry, we expect him to attack the present-day radio problems in real earnest. Stick to it, Joe, and you will be as successful as you have been in Cooper.



ANTHONY CARBONE

"Tony"

Civil Engineering

New Rochelle High School

A. S. C. E.

We expect Tony may develop into a toe dancer because of stretching himself to look through a transit. Although he's the smallest man in the class, he always carries the biggest piece of apparatus. Tony is quite an athlete, too. He made the "All-Mussolini" team for his exceptional playing on the '33 basketball team.

The young man hails from New Rochelle, but he's a conscientious worker, so we don't hold that against him.

CASIMIR P. CIESIELSKI

"Cas"

ΩΔΦ

Chemical Engineering

St. Mary's Prep

Holy Cross College

Pioneer; Math Club; Rifle Club; Pres., Newman Club, '32.

"Cas" hails from Jersey and he doesn't care who knows it. He's a "Go-getter." He has shown his leadership in activities connected directly and indirectly with Cooper. He also has his following of the fair sex in the Art School. With his selling abilities, "Cas" has little to worry about after he steps through the portals of Cooper. He could sell "sun-tan" cream to Mahatma Gandhi and make him think he is getting a bargain.

FRANCIS J. COSTELLO

"Cos"

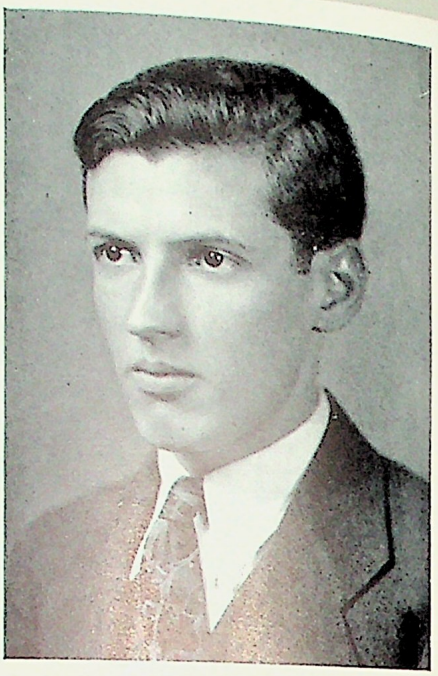
ΩΔΦ

Electrical Engineering

Regis High School

A. I. E. E.; Treas., Newman Club, '32; Math Club; Chairman, Junior Prom Comm., '32; Class Pres., '32.

The fair-haired and pleasant-faced gentleman pictured above is none other than our esteemed class president, whose humor and wit provide a means of mental relaxation from the fatigue of our excessive spare time. He is one of the most courageous men at school, being able to compose snappy write-ups—but he can run quite well. "Cos" says that an engineer must be a man, and therefore he has never adopted the feminine art of smoking.



EDWARD J. DENARI

"Ed"

Mechanical Engineering

Manual Training High School

A. S. M. E.

A man of fire and steel is "Ed" with a determination to conquer, "maybe." He has passed through half of the mill and we feel sure that with his usual perseverance and good luck he will continue to succeed.

HUGO J. DiGIOVANNI

"Digi"

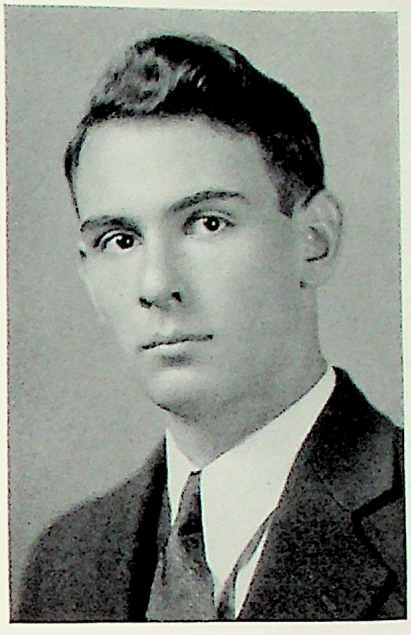
ΛΣΚ

Electrical Engineering

James Monroe High School

A. I. E. E.; Math Club; Newman Club.

"Count DiGi," the Engineer and Broker, is a daily visitor from the Bronx. "Count" does not mean that "DiGi" traces his lineage to nobility, but rather that this broker does nothing but count. "DiGi's" chief pastime, in the labs, is watching the switches arc. When asked why the arcs interest him so much, he replies, "They remind me of her eyes."



HENRY E. DUTOT

"Hank"

ΩΔΦ

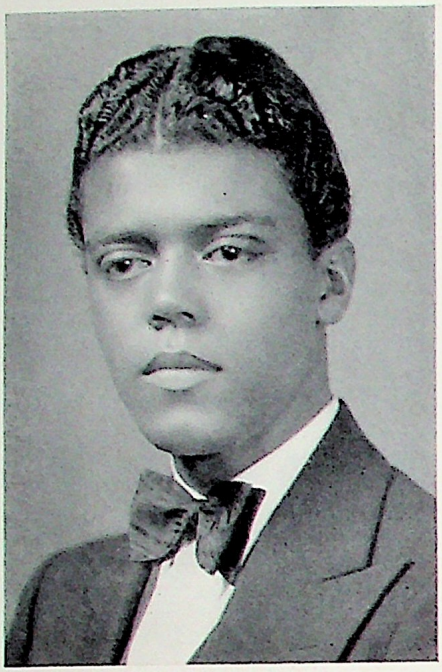
Chemical Engineering

Stuyvesant High School

Treas., A. I. Ch. E., '31; Newman Club, '29, '30, '31; Math Club, '29, '30, '31; Glee Club, '31; Junior Executive, '31; Student Council, '30, '31; Tech. Dance Comm., '31; Junior Prom Comm., '31.

Being the most active member of the Ch.E.'s, Henry finds time for quite a few extra-curricula activities, such as wine, women and song (?). Outside of going to Hollis or Brooklyn he never travels after one. One what? Can he help it if they live far away?

Seriously, Henry is one of the main supports of the class, being on quite a few committees and the Student Council. Despite these activities he is still a student and not just a pupil.



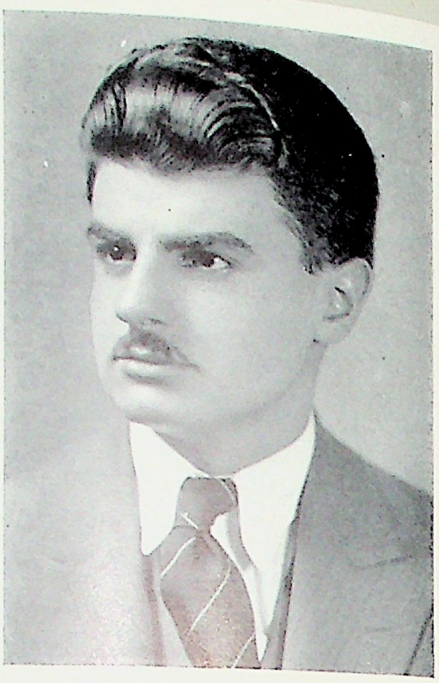
MARCUS G. EDWARDS

"Ed"

Civil Engineering

A. S. C. E.; Math Club.

Hello, Everybody! Here's "Ed," a typical lad from the distant corners of that mysterious Brooklyn. He is a very serious-minded individual who believes "it can be done." The stick-to-it-tiveness of this boy is simply appalling and there is no way of getting him off the right track. All answers are checked by comparing them with Ed's (if he's got them). There can be no doubt about his future success, for any Civil who can mix cement as well as he can must necessarily be good.



ALEXANDER ENGEL

"Al"

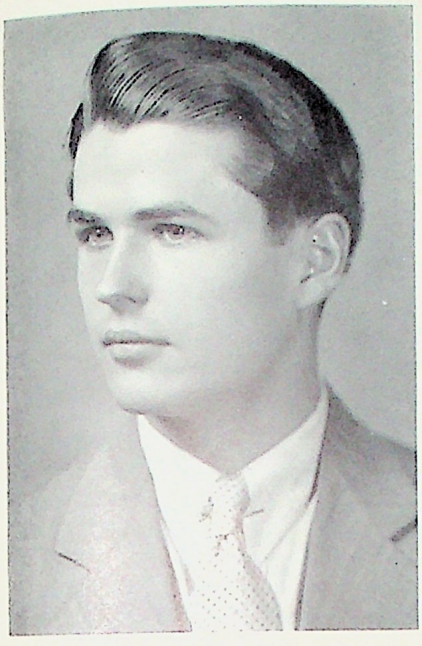
Chemical Engineering

Townsend Harris Hall

A. I. Ch. E.; Math Club; Tech Orchestra.

Good old Al is the dashing Romeo of that mutinous crew of comical engineers. That slick, enticing, tickling mustache and curly hair bend the fair sex to his will. Al's a good listener, ready to laugh at any joke, be it good or bad; in fact, he picks inopportune moments to break into laughter, embarrassing our beloved faculty. And the way he strokes that mustache is the cutest thing; and say, can he croon.

When Al gets going, watch his smoke; that is, when he gets going! Al's ambition is to design a non-breakable glass for chemical apparatus.



JOHN ERNEST

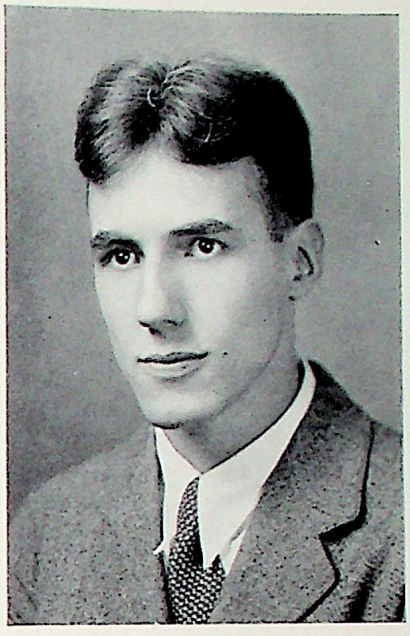
"Erny"

Electrical Engineering

Central High School, Paterson

A. I. E. E.; Math Club; Scholarship, '31, '32.

Well versed in the art of hard work, John certainly knows how to excel in all the subjects he takes. He managed to enter Cooper by his ability and, by the same token, has managed to keep his head above the level of the ordinary student. Such a consistency of brilliance can only indicate that he intends to continue it when he leaves Cooper. Good luck, "Erny."



LOUIS J. FALCIOLA

"L. J."

Mechanical Engineering

Emerson High School

A. S. M. E.; Math Club; Orchestra.

We present for your approval a young man who must be the impersonation of modesty. Spare his blushes, gents, he did not want a write-up. However, since space must be filled we hope "L. J." will be satisfied with this mention.

CHARLES F. GEROW

"Chas"

Mechanical Engineering

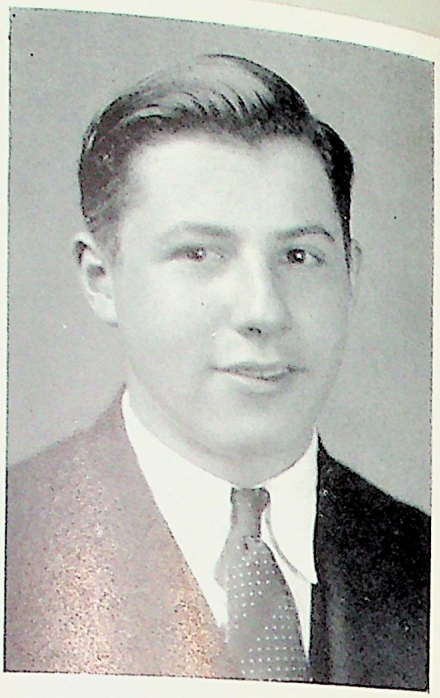
Tottenville High School

A. S. M. E.; Math Club.

"A tall blonde gentleman with a ready smile and a becoming dignity." This is a short but accurate description of "Chas."

Charlie supplies a large share of the mirth of our class, helping us through our daily toil. He is ever ready to help his classmates and shares any problem which they may have. However, this tall lad has two weaknesses, the little blonde out on the Island and his habit of giving up smoking every other day.

"Chas" is one of the best, and we may safely prophesy a successful future for him after his Cooper days are but wonderful memories.



HARRY A. GLUCK

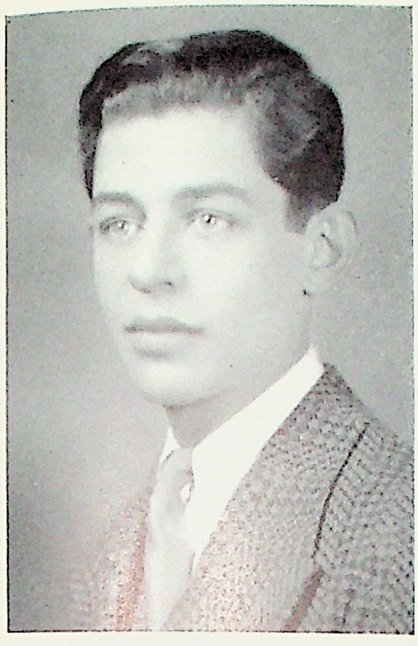
"Original Copy"

Civil Engineering

Curtis High School

A. S. C. E.; Math Club; Student Council; Rifle Team, '30, '31, '32.

Harry Gluck, better known as Clurk, Glick, Clock, Gluke, Gulk or Gurk, respectively, is one of Cooper's sharp-shooters. He is one of the (few) ambitious junior men. Harry isn't overfond of our surveying field work. He likes little boys who throw big rocks at the transit and who put their heads in front of the rod when he's trying to take a reading. He says that Mr. Roth should provide us with bean shooters in case of emergency and also suggests that we use pieces of broken ($4?) thermometers as missiles.



MARTIN GREENSPAN

"Moe"

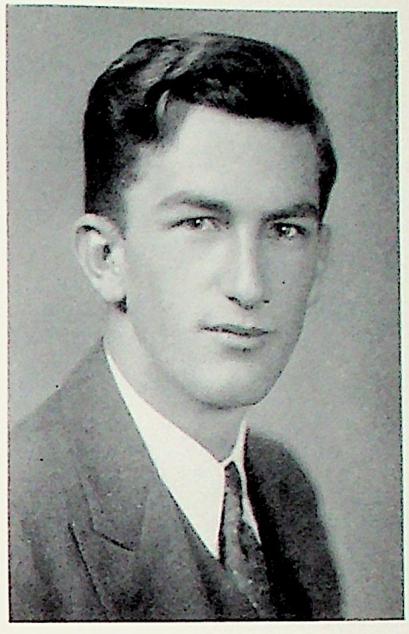
Electrical Engineering

Lincoln High School

A. I. E. E.; Math Club; Glee Club, Tech Editor of Cable, '32; Ex-Post Facto, '33.

Moe might be described as the popular conception of a genius, one possessed of that "hidden fire." He is addicted to eccentric dress, a lazy manner and frequent brilliant flashes of wit.

However, it does not matter what Moe's faults are, but what he has done. Of course he's been Tech Editor of this CABLE, and filled all sorts of responsible positions, but what really entitles him to a bust in the Hall of Infamy is his feat of awakening the world to the unappreciated virtues of Jersey City.



EDGAR D. HINTON

"Ed"

ΛΣΚ

Mechanical Engineering

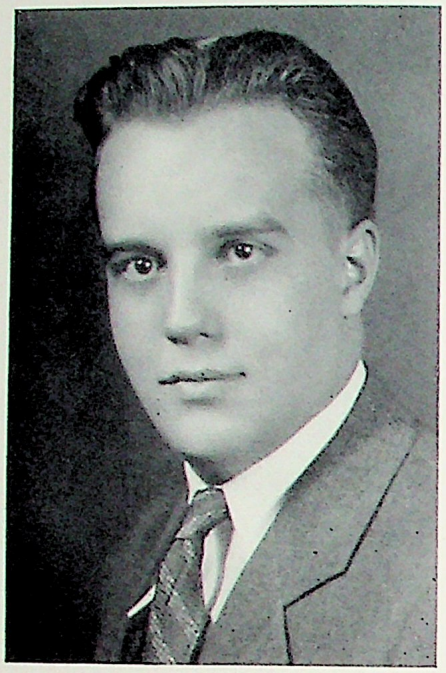
Roosevelt High School

A. S. M. E.; Class Vice-Pres., '29; Sec'y., Student Council, '30; Student Council, '29, '30, '31; Class Treas., '31; Chairman Junior Prom, '31; Gold "C," '31.

Ed is of that type of serious-minded chaps to whom responsible extra-curricula tasks are delegated.

The climax to an active and useful career, three years of service to the school, came just before this CABLE went to press, when Ed was awarded the Gold "C."

But there is a dark secret in this seemingly innocuous young man's life. It has been rumored about the school that he lives in Bronxville. . . .



FELIX A. INSLERMAN

"Felix"

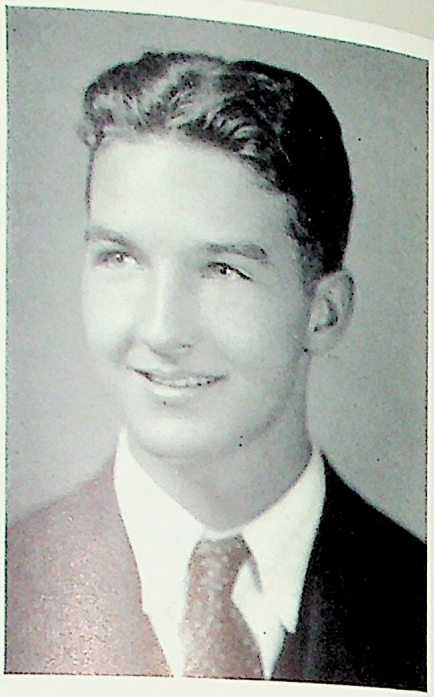
ΣΑΠ

Electrical Engineering

New Brunswick Senior High School

A. I. E. E.; Rifle Club, '29, '30, '31; Math Club; Managing Editor of Pioneer, '29, '30, '31.

Far be it from me to dwell on the merits and demerits of this would-be electrical wizard now humbly trudging the halls of Cooper Union in obscurity. Time itself can only tell. When all that transpires now is ancient history and future students, poring over present-day achievements, will wonder what is the use of all this education, then will the immortal words of the immortal Felix unearthed by the poets and bards and preserved for posterity, stand forth as their guiding light: "It took me five years but it was worth it."



THEODORE JAMISON

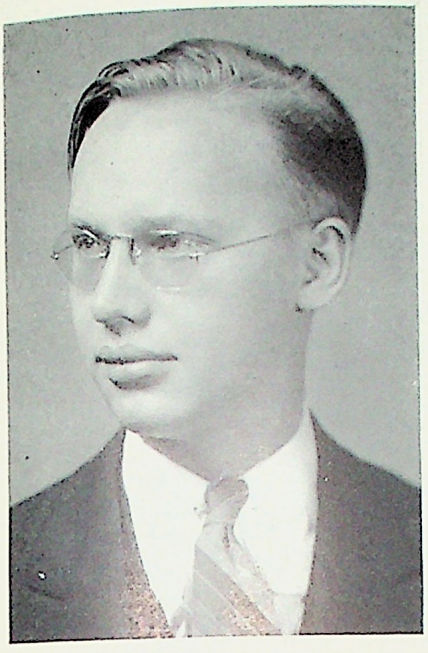
"Teddy"

Civil Engineering

Bay Shore High School

A. S. C. E.; Winner Interclass Rifle Champ., '32.

Bay Shore's gift to science, generally called Teddy, but more affectionately called "Jamie," is a modern personification of the three monkeys, "hear something, see something, and say things when it is necessary." This does not apply when he is in school, for there Teddy can argue with the best of them, never admitting defeat until he is proven wrong. Teddy also has the distinction of being the originator of several expressions like "Nerts," "Blurp," etc., which have since become by-words in all humorous magazines and newspapers.



HELMAR JENSEN

"Yo-Yo"

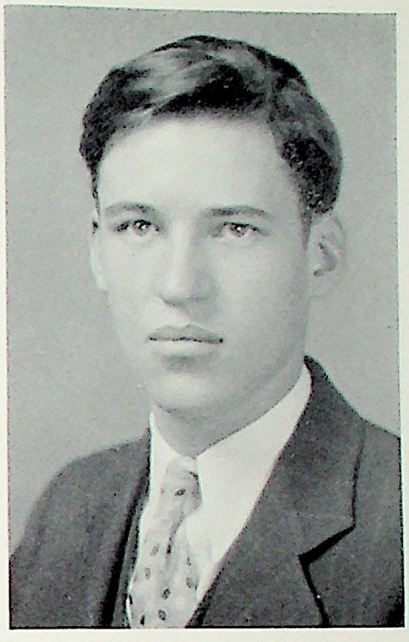
Electrical Engineering

Stuyvesant High School

A. I. E. E.; Math Club; Scholarship, '30.

Although many brands of cigarettes and a great invention are named after him, Yo-Yo does not let this popularity run to his head. Any girl's 'phone number will keep him busy for hours, but he manages to devote enough of his time to flunk calc., etc. However, he manages to pass them at the re-exams.

With his stick-to-it-iveness, Yo-Yo should succeed and become an electrical engineer, if he's not electrocuted while getting there.



EMIL KELLER

"Kel"

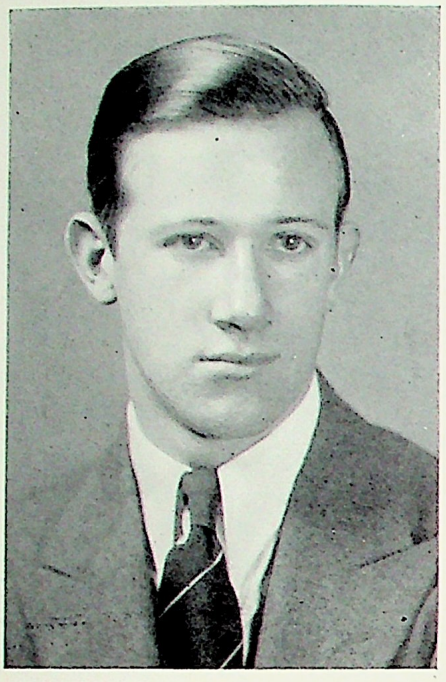
ΣΑΠ

Electrical Engineering

Stuyvesant High School

A. I. E. E.; Math Club; Scholarship, '30, '31.

Kel is a typical Bronxite, and ready to uphold the honor of his country. He's the only one who always has up-to-date lecture notes. Cocoanut pie is his favorite dessert. In spite of such shortcomings, he's a "good skate" and can always be depended upon to give apples to horses and save maidens in distress. What more do you expect?



EDWARD J. KITTELMAN

"Ed"

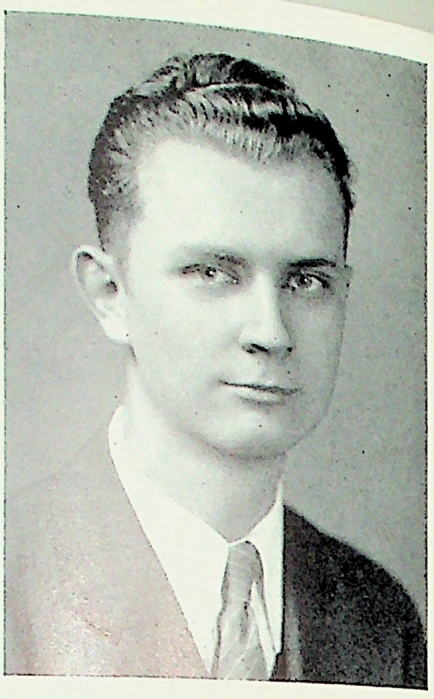
ΩΔΦ

Chemical Engineering

James Monroe High School

Student Council, '30; Rifle Club, '29, '30; Newman Club; Orchestra.

Hailing from the upper wilds of the Bronx, like all other Bushmen, he beats drums for recreation. However, he is quite civilized when it comes to plain hard work and is always there when the facts are needed. In Labs he is a wizard, amazing all with his speed and accuracy, which explains his popularity with the fellows. With the female of the species, his greatest trouble is keeping them away. He's a man's man with the makings of a good chemical engineer.



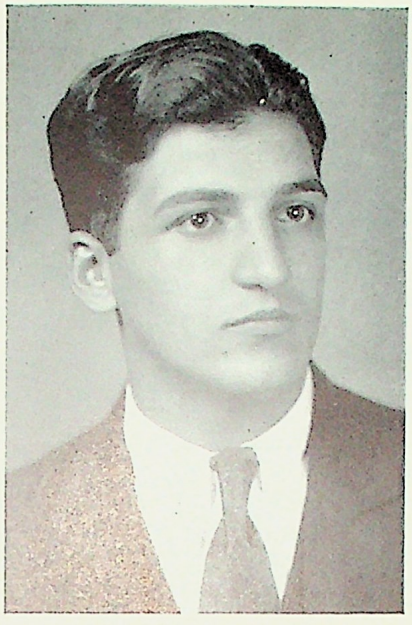
CARL H. KROPP

"Don Carlos"

Electrical Engineering

Treas., Math Club, '31; Student Council, '32; Sec'y., Math Club, '32.

To look at Kropp, one would suspect that he's the laziest man in Cooper Tech. Well, he isn't! Indeed, his prominence in student affairs is due largely to his total lack of indolence, coupled with his unusual capacity for hard work, coupled with his quite remarkable flair for strenuous exertion, coupled with—well, you finish it. And as for his physical endurance under stress—need more be said?



CHARLES J. LAGRECO

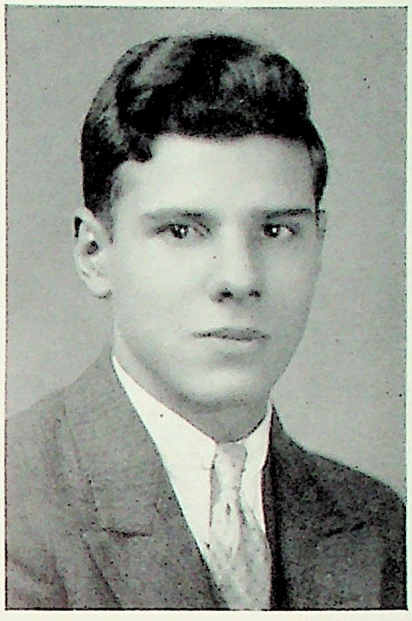
"La"

Civil Engineering

Franklin K. Lane High School

A. S. C. E.; Vice-Pres., Junior Class, '32; Student Council, '32; Baseball, '31, '32; Rifle Champ, '32.

Frankie Frisch and Rogers Hornsby were good second basemen, but you haven't seen anything, or rather nothing, until you've seen Charlie. Spectators always gasp and wonder; wonder what in the world he's doing. The young man also swims and plays football and basketball, so we are inclined to believe he has "athlete's feet." He can shoot a rifle, too, but he can't hit a pig with a water pistol. (Ed. note: See Thanksgiving Ent.) Charlie has no favorite teacher but he rather dislikes one who speaks in a loud monotone so that our hero can't sleep in his class.



PIERRE LAMBERT

"Pete"

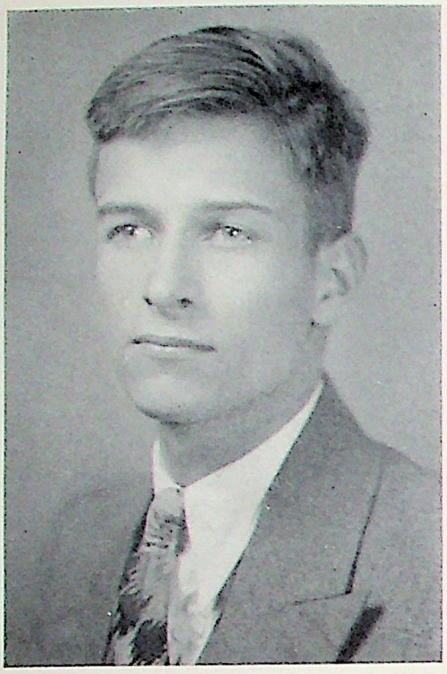
ΛΣΚ

Chemical Engineering

A. I. Ch. E.; Rifle Club.

Pete is the playful little devil he appears to be. Always ready with his little joke, he supplies some of the sadly needed humor in the Ch. E. course. Pete has brought every little knick-knack to school from an air pistol to an extremely long Indian peace-pipe.

Aside from this Pete can be a serious and hard worker when the spell seizes him. Fired by the flames of ambition, he can leave a trail of smoke behind to befog even the profs.



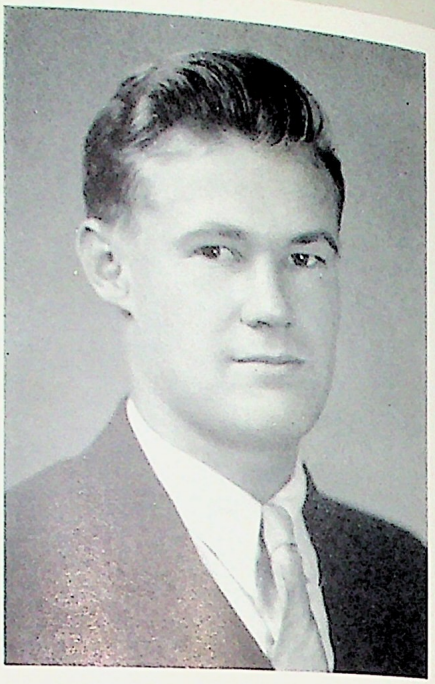
SIDNEY LAWLESS

"Sid"

Chemical Engineering

At first glance, a quiet, dignified man, a credit to the engineering profession, to Cooper, etc. BUT! look at the name, "Lawless," a fitting description. Introducing the campus cut-up originator of such diabolical pastimes as eraser hurling and studying, by experiment, the laws of freely falling bodies, usually with chalk and an I.R.T. elevated train as the moving target.

Another quaint characteristic of this farm lad from Long Island is his famous quotation, alibi, or what have you, "Gottaget a train." Whenever you see him he's running, chasing or being chased, but always, over his shoulder, "gottaget a train."



JAMES B. LYTTLE

"Jim"

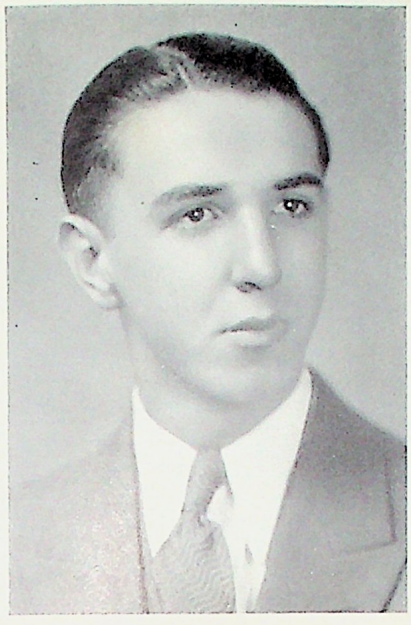
ΩΔΦ

Civil Engineering

Evander Childs High School

Rifle Club, '29, '30, '31; Rifle Team, '29, '30.

A smile, a true and friendly spirit, combined with a pleasant disposition, that's Jim. He's a happy-go-lucky fellow, but never fails to lend a helping hand whenever one is needed. Possessing all the necessary qualifications, such as self-confidence, initiative, and the ability to err at the proper moment, Jim is undoubtedly a promising embryo engineer.



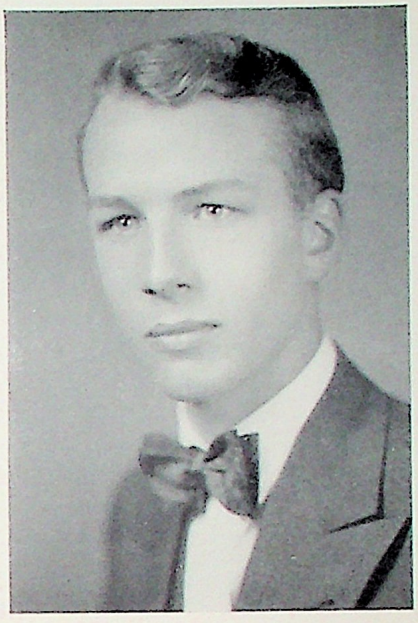
STANLEY K. McKEEVER

"Stan"

Electrical Engineering

"A male passenger on the New York Central Railroad, under twenty-one years of age"; so reads his passport from the hinterland of Yonkers. Closer investigation by the New York Central might result in his walking.

His qualifications for distinction are the following interesting characteristics: whistling when he talks, punning with no provocation, being distinguished-looking, knowing what Cooper Union is trying to teach him, ability to explain anything, whether or not he knows something about it.



CLIFFORD J. MILY

"Cliff"

ΩΔΦ

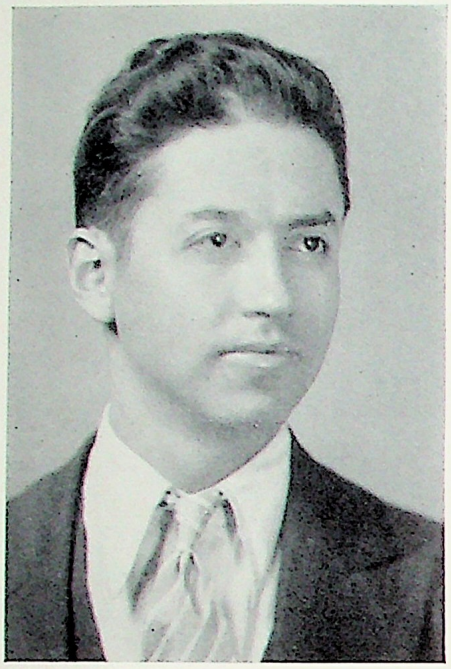
Electrical Engineering

Evander Childs High School

A. I. E. E.; Rifle Club, '29, '30; Rifle Team, '30, '31; Student Council, '31, '32.

"Cliff" believes in working when it's time to work and in playing when that period arrives. In his spare time, under fair tutelage, he studies Astrology and its influence upon human actions and emotions.

In class he is alert and unique, always smiling and unafraid of work. However, he has no conscience qualms about his consistent lateness, which on the other hand qualifies him to the social register.



ALFRED R. PAZ

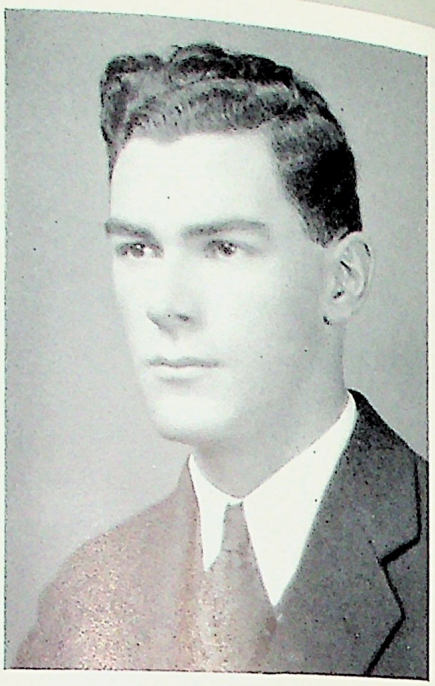
"Al"

Chemical Engineering

City College of New York

Al is the "Big Boy" of that unequaled gang of Chemical Engineers, being the main worry of the revered faculty, who can make no false statements in his critical presence. But, seriously, "Al" is alert and wide-awake. After trying our foremost N. Y. C. schools, Pazzie decided that Cooper Tech was the place for him, and here he is, even though our speedy courses keep him on the go.

Being the oldest in the class, and our own cave-man, we nominate Senor Paz as the first to get married. Carry on, Senor, and our best wishes go with you.



HOWARD H. PLATTS

"Howie"

ΩΔΦ

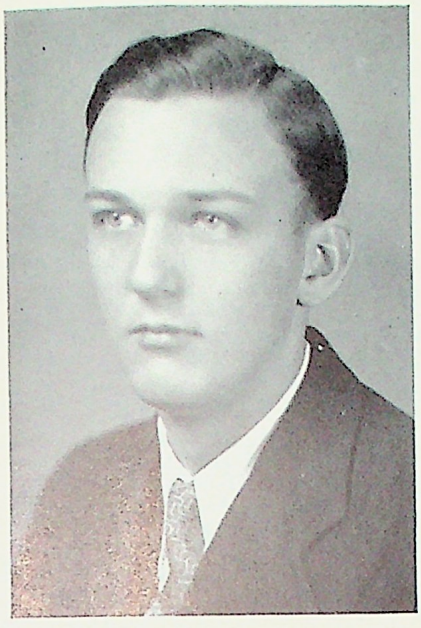
Mechanical Engineering

Rutherford High School

Student Council, '30, '31.

Little Howie bumps his head on the doorway of a B. M. T. train every morning on his way from Rutherford, N. J., where he was born and raised. He attributes his length to Shredded Wheat, but this in no way seems to impede his success as a student.

Everyone likes him for his agreeable disposition and we feel sure that he will be a credit to Cooper Union.



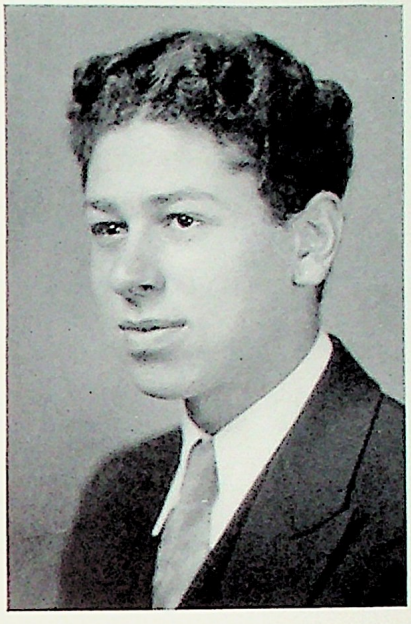
HENRY J. QUEEN

"Jerney"

Electrical Engineering

Cable Circulation Manager, '32; Math Club, '32; Glee Club, '32; Newman Club.

He's a great big man from the South. We've heard that song many a time, but never really appreciated it until "Jerney" came along. "Jerney" may not hail from Dixie, but at least he looks up to nobody. Hank tops them all, not only in stature. Every school activity in which he has participated (the biggest ones, of course) he's made still bigger and better. There's nothing small about "Jerney," no sir! And it isn't just a play on those words to say he's bound for bigger things.



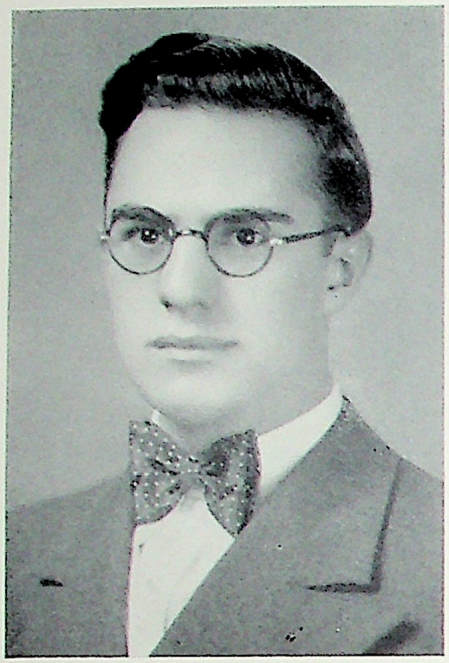
WILLIAM W. RIGROD

"Terror Bill"

Electrical Engineering

Class Treas., '31; Vice-Pres., Math Club, '32; Class Sec'y., '32; Glee Club, '32; Ass't. Adv. Mgr. of Cable, '32.

Lo and behold! Introducing Wm. W. Rigrod, alias "Terror Bill," circus barker par excellence, terrifier of innocent women and children with unsolicited blasts of oratory that would shame "The Silver Tongued Orator" (Daniel Webster to you) into taking an I. C. S. course in public speaking. If anything needs an alibi, whether it be in the realm of the arts, sciences or plain "late reports," Doctor Riggy is right there with a "spiel" that is positively asphyxiating.



WALTER J. ROMLEIN

"Walt"

ΣΑΠ

Mechanical Engineering

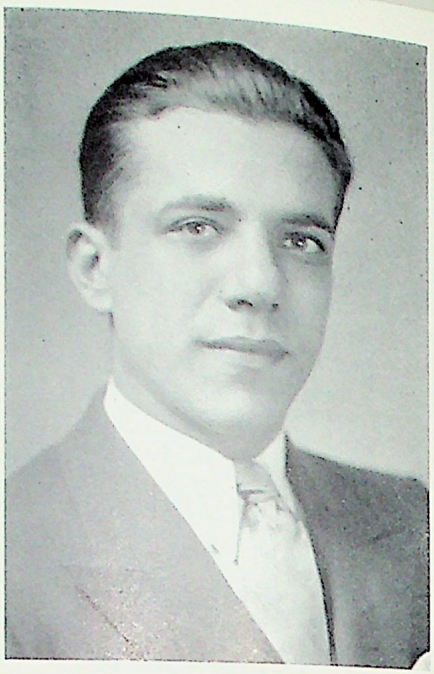
Clifton High School

A. S. M. E.; Math Club.

Walt is of a quiet disposition, but with an eye for business at all times, and an ear for music when there is no business. During his spare moments you will find him in the vicinity of Nutley, N. J., playing weird music of the special verse type.

Of medium height and dark complexion, with black wavy hair, Walt is the answer to any maiden's prayer, but the maidens can keep right on praying as far as Walt is concerned.

So we will wish him luck in his chosen profession, and don't forget, Walt, steam engines need steam.



MATTHEW J. ROSENSTOCK

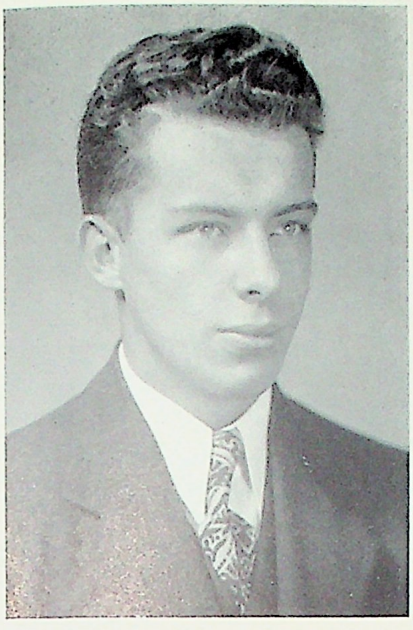
"Matty"

Electrical Engineering

Morris High School

Math Club; Pi Sigma.

Everybody knows him as "Rosy." Rosy has at least one good trait, and that is punctuality. He is always on time with everything, even words, whether needed or not. His loquaciousness marks him as a good salesman, and Cooper is trying to develop for him something to sell. If our Alma Mater succeeds, it will be personal ability, if she doesn't, no sale. The results are undecided yet, as the crisis is not yet over. He'll probably come through, as he does work hard—sometimes.



EDWARD H. RYAN

"Ed"

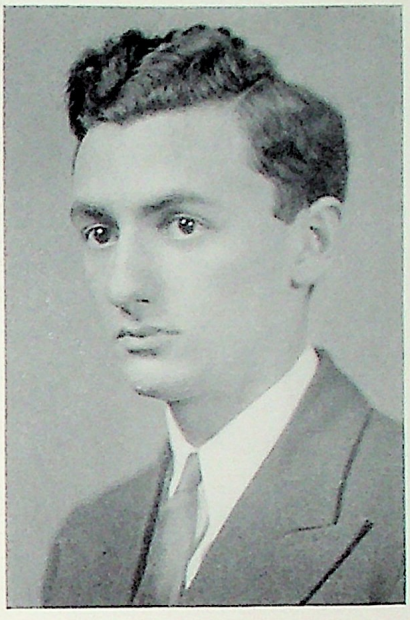
Electrical Engineering

The Bishop Loughlin Memorial High School

A. I. E. E.; Treas., Math Club, '32; Newman Club; Class Pres., '31; Vice-Pres., Student Council, '32; Student Council, '30, '31; Vice-Pres., A. A., '32; Basketball, '30, '31, '32; Baseball, '30, '31; Gold "C," '32.

After wading through that little list of Ed's extra-curricular activities, you'll probably know as much about him as anyone can tell you. Is he busy? Say, is D. C. Lab melancholy? Why, it's running around as fast as he does that gives him those 14-inch calves (see photo of basketball team).

Edouarde, the wild bull of the campus, is really tame enough when you get to know him, despite those 14-inch calves.



EDMUND SARVER

"Eddie"

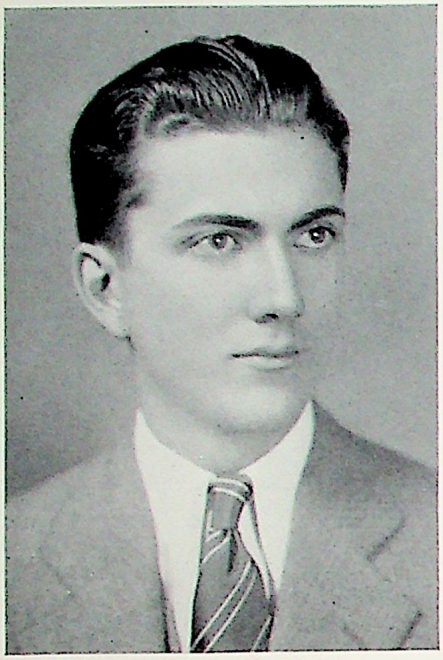
Electrical Engineering

A. I. E. E.

Eddie has, after years of research, evolved a method of talking that's a hundred percent efficient. There are no stray power losses due to muscular activity of the face. All the energy is converted directly into sound.

His opinions on all subjects can be had for the asking, and only by asking. They are usually sound and are received with respect.

He has only one hallucination. He thinks only dead men look well in tuxedos. Eddie also has the disconcerting habit of speaking the unvarnished truth on the most unexpected occasions, as witness his Power Plant Reports.



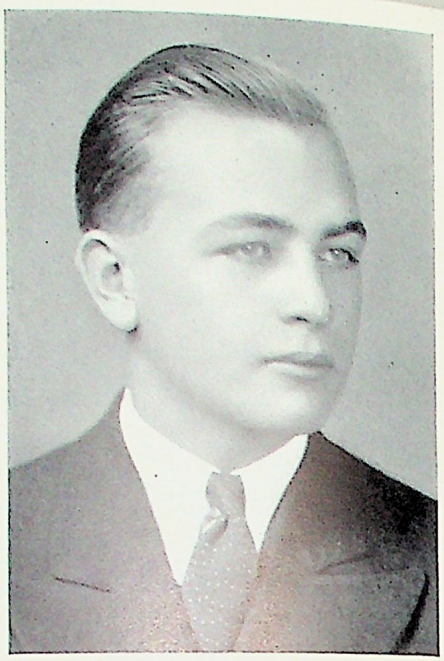
HOWARD C. SCHNEIDER

"Howie"

Electrical Engineering

Newman Club.

Howard Schneider, man about town (when he's not in the Bronx), quiet, dignified, professes ignorance on all subjects, but knows more about them than the average. Belongs to everything except "The Sons of Siam," and initiates candidates into that organization for the amusement of the rabble. Handsome, dresses well, keeps in the background but you know he's there. He will make a good engineer although not a slide rule addict. In D. C. Lab his first name is Precaution, and would rather take a dose of arsenic than close a switch. When he does he's all set for a power dive through the nearest exit.



EDWARD SCHOENFELD, JR.

"Eddie"

ΣΑΠ

Mechanical Engineering

Peekskill High School

A. S. M. E.; Math Club.

Eddie is that budding engineer who says Peekskill is entirely too far to commute. Do you blame him? He spends his summers building state highways, but finds mechanical engineering more to his liking.

A conscientious student, an occasional poker player and a good natured young man is Eddie. He's not above "wine, women and song"; just ask him. He roams around in a Dodge roadster and knows every road within ten miles of Peekskill.

Eddie is a husky chap with a fair complexion and light hair. Women, beware! He is not to be trifled with!

DANIEL SOLINS

"Danny"

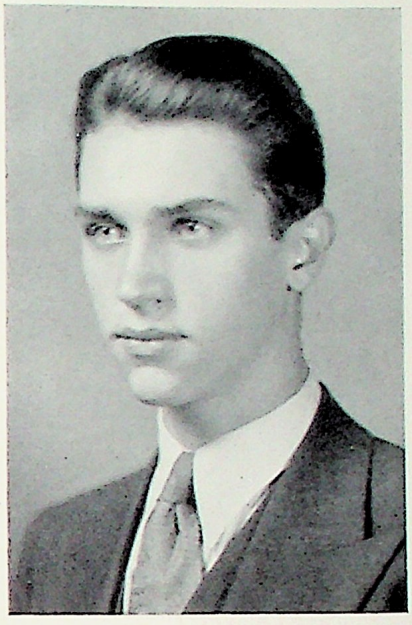
Civil Engineering

Brooklyn Technical High School

A. S. C. E.; Math Club; Pioneer, '29; Pi Sigma.

Danny hails from Sea Gate Gardens, Brooklyn. His favorite morning exercise is to miss the last bus to the subway station.

Dan, one of the most conscientious men in his class, can ask more questions or take more care levelling a transit than anyone else in the class. He is a potential appetite remover. As the lunch bell rings he is liable to ask the Prof to explain the last problem, thus keeping a whole crew of bloodthirsty, budding engineers from those precious forty-five minutes of the day.



JOHN S. STEPSIS

"Sterphis"

Civil Engineering

Alexander Hamilton High School

Pres., Rifle Club, '32; Sec'y., A. S. C. E.; Newman Club; Math Club.

Johnny is so quiet around school that much cannot be said about this sharpshooter. Nothing bothers our hero except spinach and Spanish. After months of constant practice he is now able to say "si, si, Senorita!" Success is bound to dawn on our Mr. "Sterphis" because, when he goes surveying, his results always show more land on a given plot than there really is. The boy can swim, too; come down to our Hydraulic Lab. and see for yourself.

EDWARD I. STERNLIEB

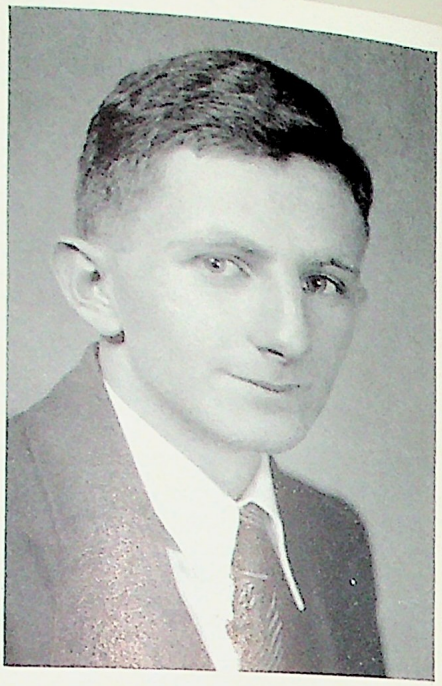
"McGurk"

Civil Engineering

Erasmus Hall High School

A. S. C. E.; Basketball, '30, '31, '32; Baseball, '30, '31, '32; A. A. Executive Comm., '31, Sec'y., '32; Sport Editor of Pioneer, '32; Tech Dance Comm., '31.

Eddie plays everything, and if you want to know why he gets those write-ups in the Pioneer, we'll tell you. He writes them himself. McGurk's pet peeve is Chemistry. The only reason he passed was because his test paper was the neatest,—there was nothing on it but his name and the date. The only time Eddie is "RIGHT" is when the teacher calls the roll. His favorite trick is insulting the faculty, especially at the Thanksgiving entertainment.



JOSEPH WATKINS

"Benny"

Electrical Engineering

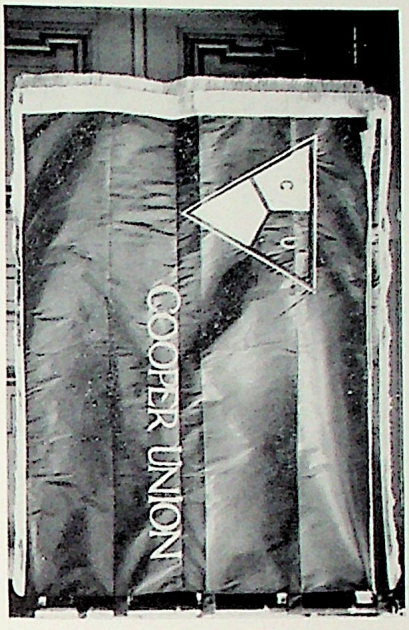
A. I. E. E.; Sec'y., Math Club, '32.

"Benny" is well known for the inspiration with which he provides the comic section of the World-Telegram. Besides that, he shows unmistakable signs of becoming a big engineer because he has that certain power of visualization, and establishes his own constants—lowering the standard one of 12 milliamps to ten. Finally he has what every woman craves—five-foot-two, eyes of blue, 100 pounds, charm, personality and sex appeal.

THE COLLEGE FLAGS

There are few students of Cooper Union who know that the colors of their Alma Mater hang in the world famous Library of the University of Louvain.

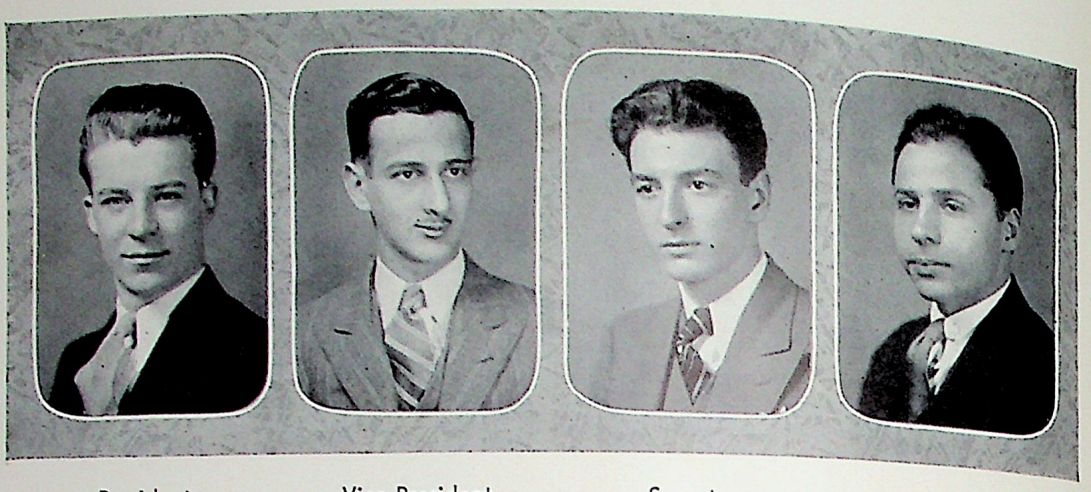
The Library, it will be recalled, is the gift of the American people to the Belgian nation in testimony of their admiration for the late Cardinal Mercier and the gallant conduct of the Belgian people during the World War. The present Library replaces, on a much larger scale, the building which was destroyed by the German invasion of 1914.



THE COOPER BANNER

The funds necessary for the construction of this magnificent building were the contributions of American university, college and preparatory school students. In gratitude to those students who gave so unstintingly to such a worthy cause the privilege has been granted of having the colors of their Alma Mater hung in the Library reading-room.

The flag shown above is of taffeta silk, 50 x 67 inches, with the seal of the Cooper Union embroidered in bullion. The name of Cooper Union, together with the names of 65 other American educational institutions, has been engraved in the lower colonnade of the building as a lasting tribute to their part in this great work.



President	Vice-President	Secretary	Treasurer
GEORGE T. TAYLOR	GEORGE BROWN	MICHAEL J. CAROLLO	A. I. KIRSCHENBAUM

Architecture

THIS group of young men, three years ago, came to Cooper Union in a wild hunt for an Architectural Education. Each was a timid individual, who, though disinterested in scholastic activities, was an ambitious young freshman when it came to learning Architecture.

The first year passed and this group advanced on to the Sophomore year with vigorous intentions to be something other than just a student. Candidates for class official positions were many. Social functions started shaping, meetings showed increased percentages and above all the feeling spread that sacrifice for certain things was worth while.

Co-operation was an important factor with these young men. Study became harder, but was done with a willing mind. Participation in scholastic activities increased. Subscription to the school paper and year book showed a fair percentage though the students at this stage of their College Career were really just acquainting themselves with both of these.

The close of the Sophomore year found students seeking enrollment in the different school fraternities and thinking of what the Junior Year had in store for them.

This group is now the Junior year of the Architectural classes although hardly any of the students who three years ago joined the class are left.

Hard work has been experienced, and, though nearly finished, this group is pushing ahead just as it did in the past, to fulfill their program as Juniors before taking the final step to the Senior Year and Graduation.

THE HISTORIAN.

IRVING ALTMAN

"Red"

Architecture

Hebrew Technical Institute

Columbia University

Wrestling, '30.

"Red" is a small fellow with a big head who sees all, hears all, says nothing and does everything. He even sleeps through classes. "Red" would like very much to help everybody, but, as yet, has not been able to help himself.

Despite his small stature "Red" has high ambitions, and we must not forget that Napoleon was a small man, too.

ELIAS ARONSON

"Al"

Architecture

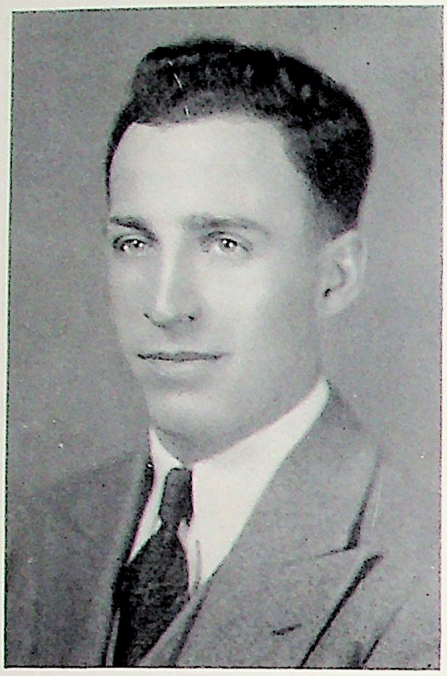
Woloshenko High School

New Russian University

"Al" is quiet because, as he says, "His English is not so good." But, once you gain his confidence he becomes a different man. His humor is the delight of his friends and we are told that the weaker sex take favorably to him.

He has been known to sing at occasions and with the aid of some warming spirits he easily becomes the life of the party.

Some day we expect him to go back to the land of his birth as an American Architect and show them over there how real buildings are designed.



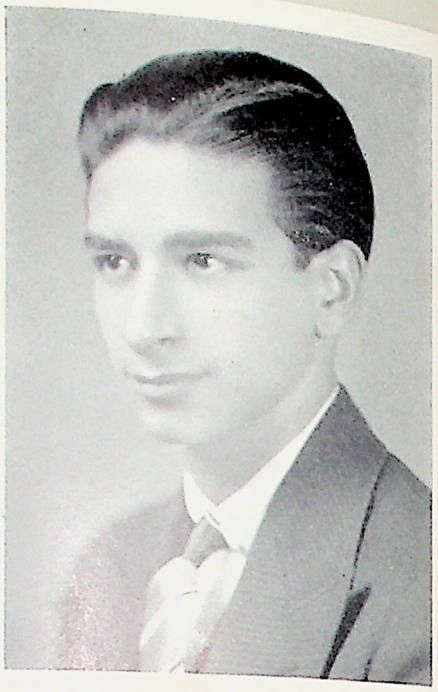
EDWARD J. BACKOF

"Ed"

Architecture

Tottenville High School

Ha! Here's a boy who thinks he's going to become a big man some day, but believe it or not he's getting there because already he has reached a manly height. Eddie is one of those boys who, whenever he sees a girl, he runs (towards them). He has played on football teams. In one game he played upper wing back in which the opposing team scored two updowns, because of his good playing. Otherwise, one swell "guy."



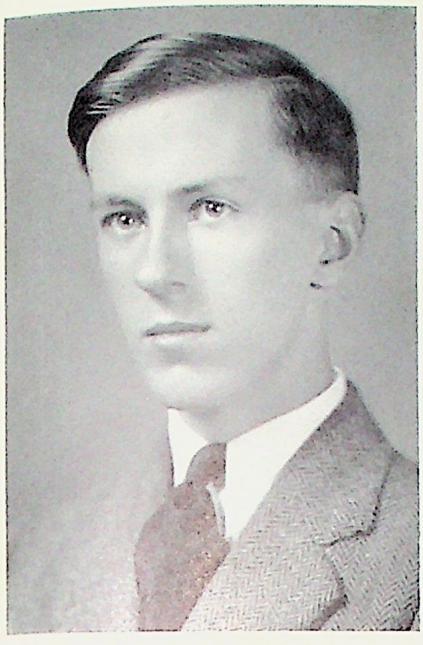
JAMES P. BARBARITE

"Jim"

Architecture

Brooklyn Technical High School

Jim is one of those fellows who go around camouflaged, that is, he can't be seen in class, but how you can hear him! Jim is cosmopolitan in his ideas. One of his favorite pastimes is standing on the corner of Broadway and 42nd Street with a gardenia in his buttonhole and watching the crowds pass by. After leaving his favored corner, he retires to the deep recesses of his home and studies until the wee hours of the morning.



PAUL T. BARROWS

"Sparrows"

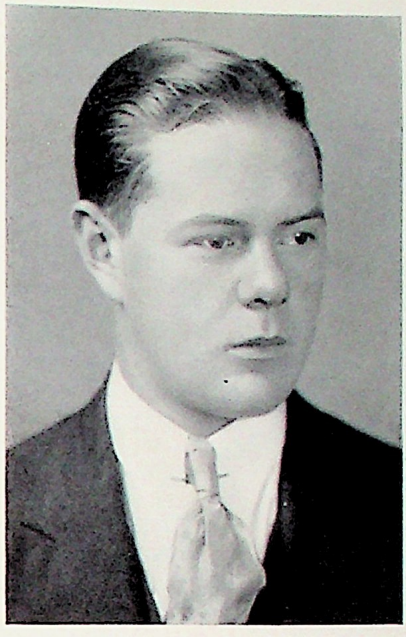
Architecture

Brooklyn Technical High School

Class Sec'y., '31; Arch. Students Council, '31; Honorable Mention, '31.

What can be so rare as a day in class with Barrows. His sparkling wit, encouraged by impish mischievousness, can always be depended upon to keep the class in good humor.

Barrows can't help but succeed, as he has that indefinite something which can only end in the realization of his ambitions. His originality of style in drawing shows individuality. Who can tell? We may yet see Barrows creating another Empire State Building.



CHARLES J. BIANCHI

"Charlie"

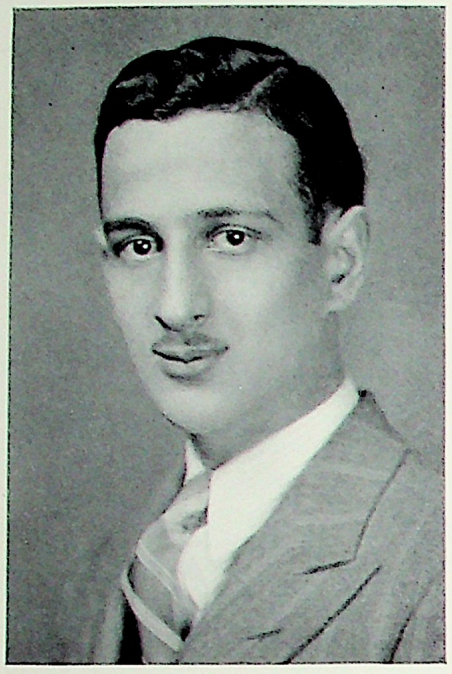
Architecture

Emerson High School

First Prize, '28; Second Prize, '29.

Aspiring to become a loyal campfire girl, he has the good wishes of his class. Always willing to do good turns for his friends, he proceeds to borrow their materials, thus relieving them of the burden of caring for them.

A native of Jersey, he shows his content by boasting about it. We trust a few years from now he will be able to justly boast about his work.



GEORGE BROWN

"Brownie"

Λ Σ Κ

Architecture

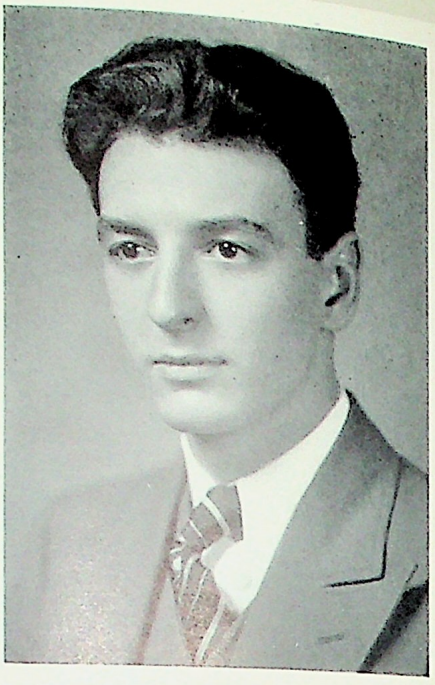
New York Evening High School

Class Vice-President, '32.

"Brownie" always keeps moving, whither, we know not. As a newspaper dealer, he does well. For those who do not know, he is circulation manager of the third-year for the Pioneer.

By the way, "Brownie" seems to think we have a very good Vice-President.

George is a very hard working chap and should go far in the field he has chosen. Good luck, George.



MICHAEL J. CAROLLO

"Mickey Mouse"

Λ Σ Κ

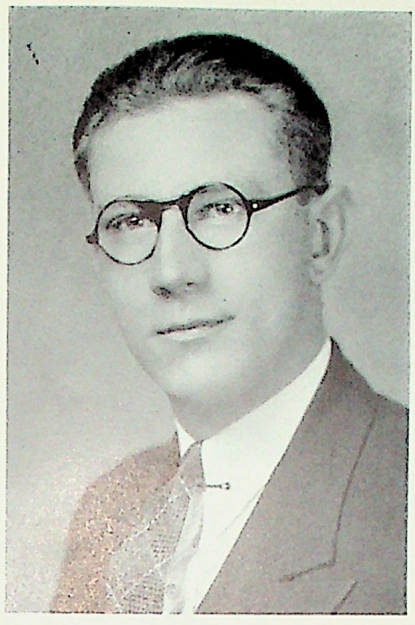
Architecture

Bushwick Trade School

Class Secretary, '32.

"Good things come in small packages," said mamma, as she first gazed at Mickey, and sure enough!

Now that Mickey has grown to be a big man and has lived up to his reputation, we can consider him a little Napoleon, a natural leader, yet modest and unassuming.



GEORGE F. DEISSROTH

"Blondie"

ΛΣΚ

Architecture

Amityville High School

Honorable Mention, '30.

"Blondie" is one of the most ambitious students in third year. He is also one of the most complicated fellows for any one to understand. He is what can be classed as a sophisticated chap, silent, and well liked by all. Leave him alone and O, Boy! Can "Blondie" go places and do things. Here's hoping he goes into his fourth year full of ambition so he can continue his good work.

HARRY A. DE MARS

"Demi"

Architecture

Thomas Jefferson High School

A. C. C. U.; Class Treas., '31; Arch. Student Council, '31.

Harry is ambitious and industrious (especially where women are concerned). He manages to keep awake during classes and would like to run the school, but hasn't time. Harry declines to win first prize in his problems fearing he may be forced to make a speech.

He smokes a pipe only when offered tobacco, gratis; is the only student with class "spirits" and one of the "big noises" in the class. We predict a cheery and successful future for him. Amen.

EDWARD L. DOLGOW

"Eddie"

Architecture

Boys' High School

Eddie's sunny disposition has won him the admiration and friendship of his fellow classmates. He is the type of a fellow who is always obliging and sincere. Eddie smokes, drinks, pets and swears. He says that that is the way his women like him. We wish you luck, Eddie.

LAWRENCE L. DUSHKIN

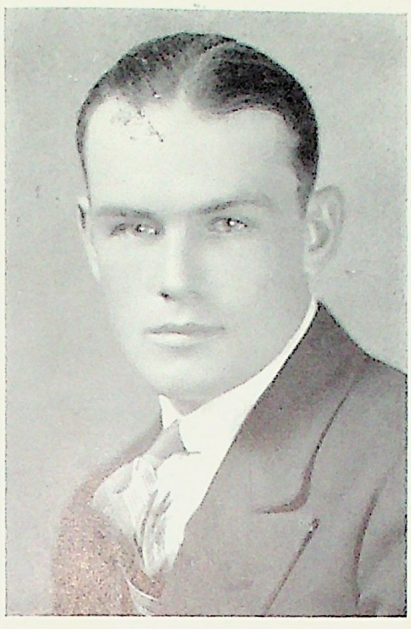
"Larry"

Architecture

Hebrew Technical High School

Class Treasurer, '31.

"Larry" is the member of the firm of Dushkin & Ginsburg who hopes some day to become an aeronautical designer. At present he consoles himself by solving his partner's crossword puzzles. He is thoroughly convinced that prosperity is just around the corner and, in his spare time, seeks that corner. Occasionally he works. Although he seemingly spends but little time in this manner, he always manages to have his work completed.



FRANK DYER

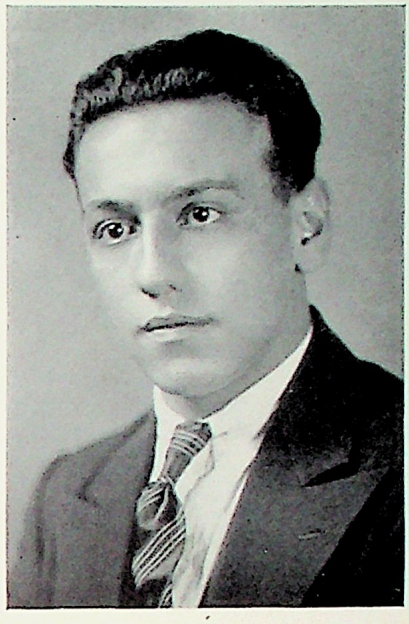
"Dyer"

Architecture

Hoboken High School

Dyer is his name and he hails from Secaucus, N. J. Have you noticed the iron look? He is an iron worker by trade and a strong believer in the Labor Unions; in fact, we think he should be an executive in this organization, since the topic of his nightly discussions during class is, "What Should Be Done to Assist the Unions."

He is quite popular among his fellow students, who will certainly miss his witty gestures, after his work is done at Cooper.



VINCENT L. FALCONE

"Vinc"

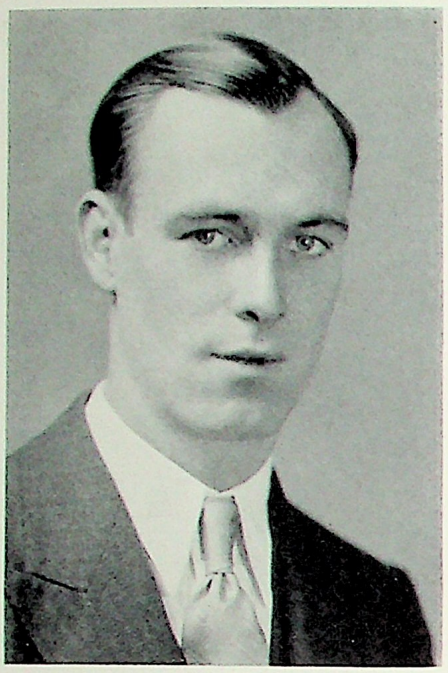
Architecture

Murray Hill Technical High School

Introducing "Vinc," a dark fellow who hails from Long Island. One who doesn't say much and thinks less. "Vinc" came from Murray Hill Tech., but that isn't any credit to Murray Hill.

He has a face that only a mother could love, but is really not ferocious. Further, "Little Caesar" is not a bad scout when you get to know him. He mixes with people of all types—the good included.

His ambition is to become an architect, so for his sake, we wish him luck.



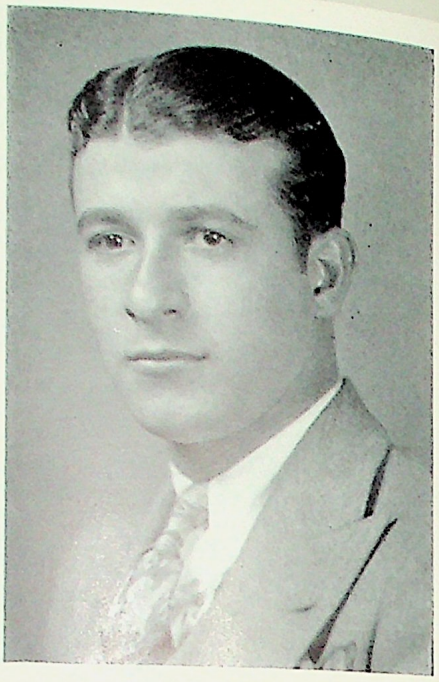
JOSEPH J. FITZGERALD

"Lefty"

Architecture

Dickinson Evening High School

"Lefty" was formerly a good all-around athlete starring in baseball, football, basketball and track, but during the last few years he has discontinued his activities in the field of sport to devote all his time to his work. From present indications he is going to be as successful in this field of endeavor as he has been in everything else he has undertaken.



RAFFAELE FOGLIA

"Ray"

Architecture

Murray Hill Vocational School

Height: 5'-11"; Weight: 180 lbs. Just a shrimp, who can't be seen in class. The depression never bothered him until he saw a sign—ONE BARBER—NO WAITING. As yet, he has not recovered from the shock.

Accomplishments and good points to his credit are: a fine speaker, a debate with Harpo Marx which lasted three days, and a pleasant personality. Armed with these, he cannot fail to reach the top.

His favorite expression is: "If you're gonna make it lousy, make it good and lousy."

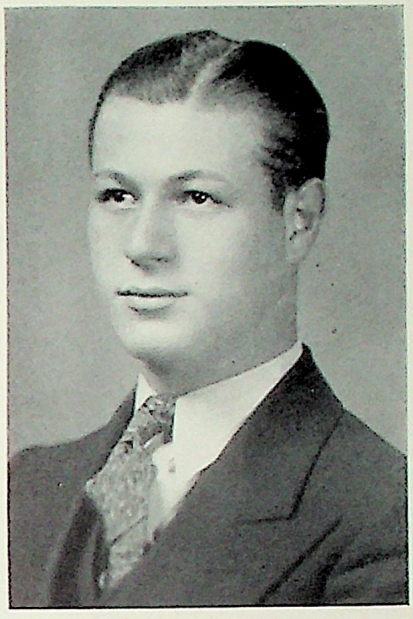
ADOLPH FUCHS

"Amby"

Architecture

Fordham Evening High School

With his mania for skating and his ability for radio designing, one can rightfully expect him to invent a radio roller skate within a few years. Adolph finds both indispensable and so the inevitable must occur. Here's hoping he succeeds in this most amusing venture as he has thus far succeeded in everything else.



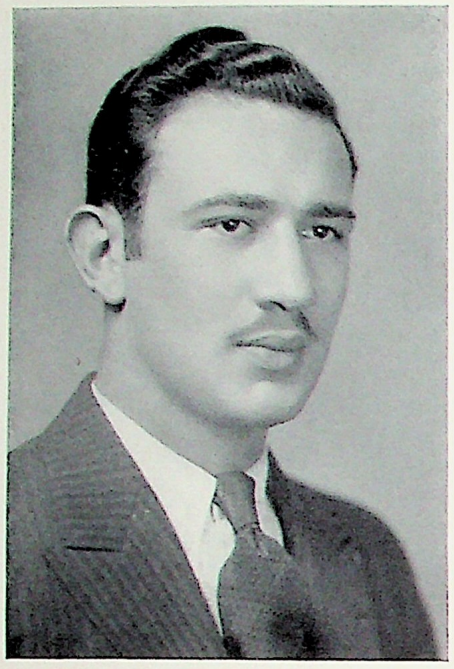
WILLIAM GILBERT

"Red"

Architecture

Newtown High School

"Red" hails from the wilds of Brooklyn. Maybe that's the reason why he is often late, and occasionally absent. He is well known and liked around the school. We are told he is quite a lad with the ladies. He originally came from Cleveland, Ohio, but admits he likes Brooklyn much better, which is quite a boost for the old town. We all wish him great success and the best of luck and health.



BENJAMIN E. GINSBURG

"Ginzy"

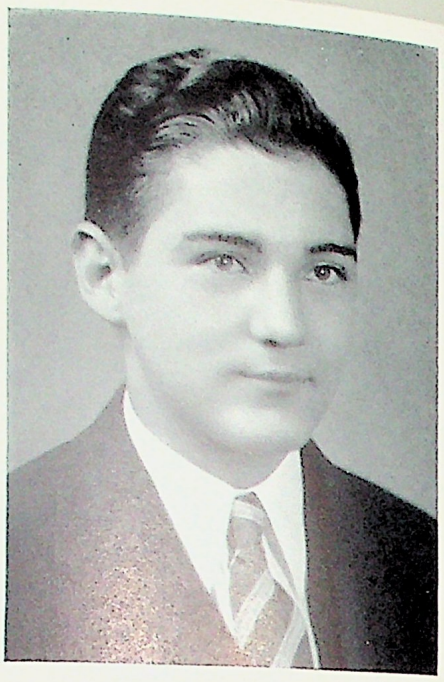
Architecture

Hebrew Technical Institute

"Ginzy" is a charter member of the illustrious firm of Ginsburg, Dushkin, Inc. The reason for "Ginzy's" existence in the firm is to grunt "Ugh" at all conference and directors' meetings. He hopes some day to make it sound as realistic as that of a full-blooded Sioux.

"Ginzy" is notorious for several reasons, namely, his coloring, disposition—which changes with the weather—and his size. His vocabulary is proportional to his size, consequently when prophesying "Crytogamos concretion never assimilates on metamorphic fragments that are in the constant state of dynamic inertia" it is but his faculty of speech in expressing a simple adage of ancient sages.

"Honi Soit Qui Mal Y Pense!"



ROBERT GOODING

"Bob"

Architecture

Grace High School

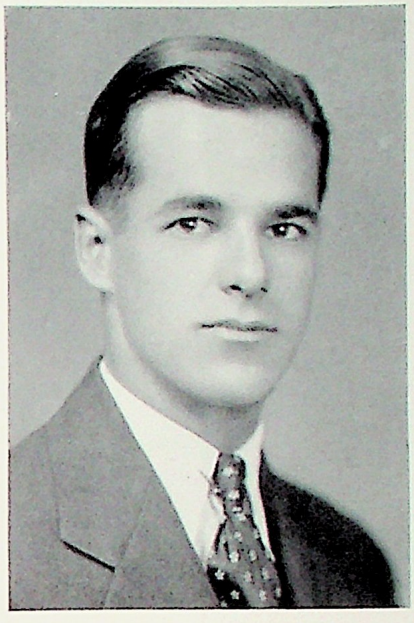
Bob is one of those fellows who is always looking for someone to tell him a joke. He's a very ambitious fellow and I really think he will turn out to be a famous architect. He played basketball the first year but didn't come back the second year. (He thinks he has scored too many baskets.) Though he was still ambitious in his second year, he now devotes all his time to his work. He's going to be a credit to Cooper Union.

IRVING HAHN

"Irving"

Architecture

Life in our class would be very dull indeed if Irving were to desert us. Why even his interpretation of architecture is entirely different from ours. A study of his actions readily reveals the reason, since Irving is not as you, you and you, but entirely distinct and different. Novelty is the mode of the moment, so, perhaps, Irving is right and we are wrong.



GEORGE W. HERMAN

"George"

Architecture

De Witt Clinton High School

Class Vice-President, '30.

George is a citizen and booster of Westchester, located somewhere on the surface of the world. Experienced in the discomforts of commuting, he has highly developed the spirit of consideration for his fellow men. His feelings tempt him to give the shirt off his back, but his modesty comes to the fore and prevents that catastrophe.

We'll vouch for the statement that he will not be easily forgotten. We hope your work will live up to your high standards. George.

SAMUEL HORN

"Sam"

Architecture

Washington Irving High School

Sam is very quiet but as the old adage goes, "Still water runs deep." We suspect that he belongs in that class of fellows who have flaming pasts.

He is well liked by all and has more friends than enemies, which is more than can be said about most of his fellow classmates. His chief ambition in life is to become an architect and builder, but he does not believe in making public the balance of his ideals, and, as said before, "Beware of still water, it runs strong and deep."

ABRAHAM I. KIRSCHENBAUM

"Abe"

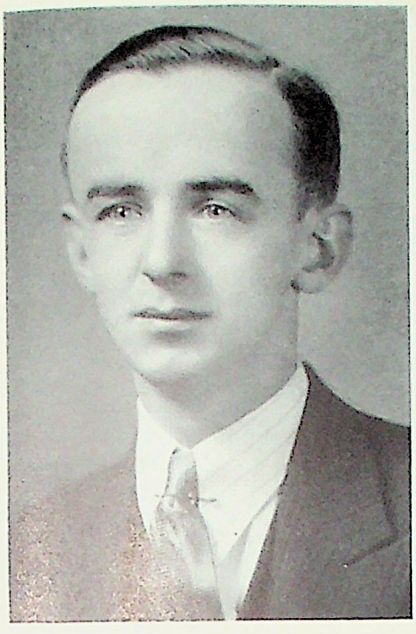
Architecture

Stuyvesant High School

Honorable Mention, '30; Class Treas., '31; Arch. Student Council, '31.

Abe is a good fellow to get along with and is always willing to help his fellow classmates (that's saying a whole lot).

He is shy about women but not to be trusted in the dark. Moreover, Abe, like many another student since coming to Cooper, has acquired a broader outlook on life and, before leaving us, may even forget to be shy.

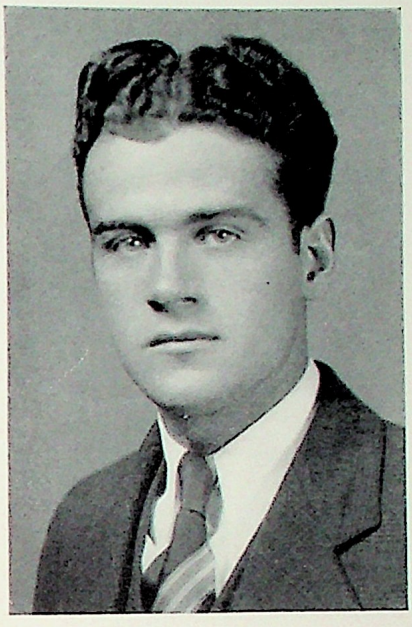


BRENDAN LEAHY

"Brenny"

Architecture

"Brenny" is not the type of student who demands to be heard. In fact we very seldom know just what "Brenny" is doing on his latest work of Architecture. He gives the closest attention to all class work, and we know he will make good, not only as a student, but also after he leaves here.



THOMAS J. LEDWITH

"Leddy"

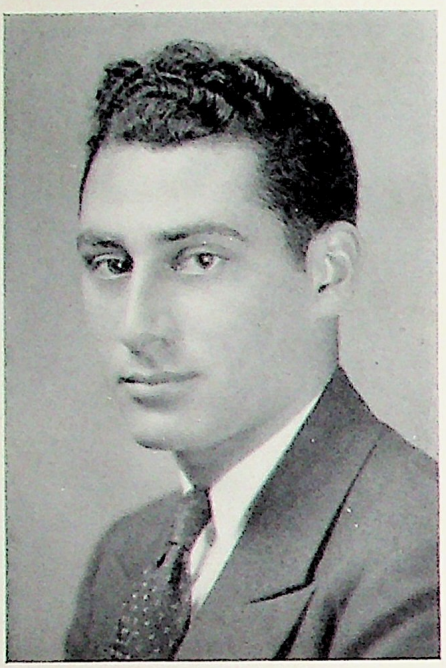
Architecture

Stuyvesant High School

Newman Club.

This countenance, which you now gaze upon, is another of the reputed (or disputed?) artsmen of Cooper Union.

To his classmates he seems to be one marked out to undertake high adventure by land or by sea, should the necessity arise. The spirit of the pioneer can clearly be observed amongst his traits. Obstacles don't dismay Leddy, or ruffle the serenity of his daily life. He belongs to the tribe of cheery optimists, who do so much to make the world a pleasant abode.



DAVID LEWIS

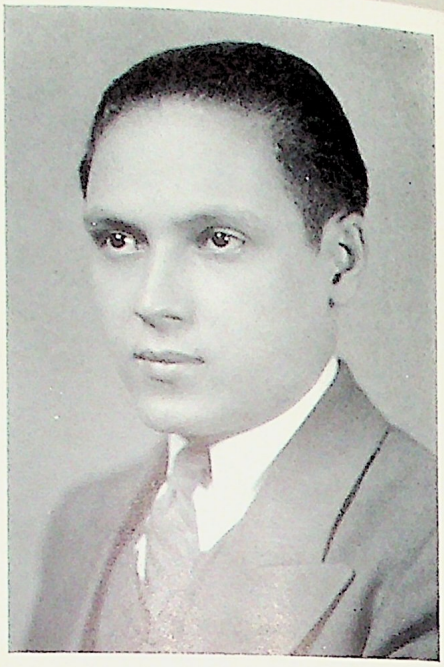
"Jo-Jo the Tiger"

Architecture

Bushwick High School

Honorable Mention, '30; Fourth Place, '31.

"Jo-Jo" is the most intelligent man in the girls' class; is known as rough and ready and is always willing to indulge in a bit of clean (?) fun. He is an important member of that great organization of the unemployed architects. "Jo-Jo" is quite an interesting man to know, comes in handy at any pinch. He is very good natured and generous, and is always willing to borrow other people's materials which he usually returns (?).



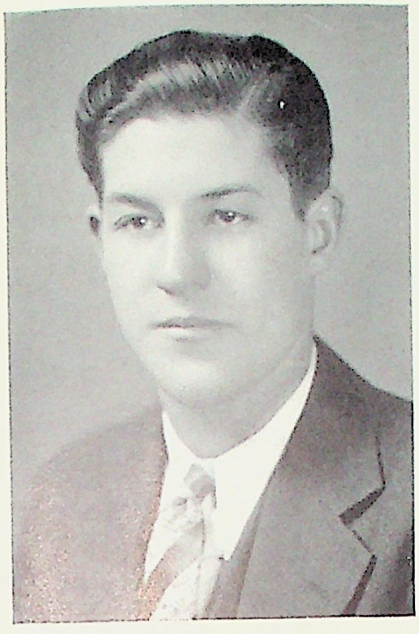
VALENTINE LOPEZ

"Rudy"

Architecture

Guayama High School, Porto Rico

May I present to you, Rudy? Give the boy a hand! Despite his handicap of being named Lopez and Valentine, he has the qualifications of both of those talented artists. His ambition is to become the world's greatest architect, that is, if time permits. He can laugh and sing at the same time. We predict a bright future for Lopez, most likely as a musician.



JOHN LORENC

"Jack"

Α Σ Κ

Architecture

De Witt Clinton High School

Honorable Mention, '29.

Jack was born in Long Island, some forty miles from the City, yet he can walk in and show what the well-dressed man will wear. This does not only apply to his clothes, for he always wears that sophisticated look on his face, backed, of course, by a great deal of intelligence. Last but not least, he always knows what is best to wear on the hip. Jack is the quiet type of fellow and does most of his work that way.

EDWARD C. LYON

"Ed"

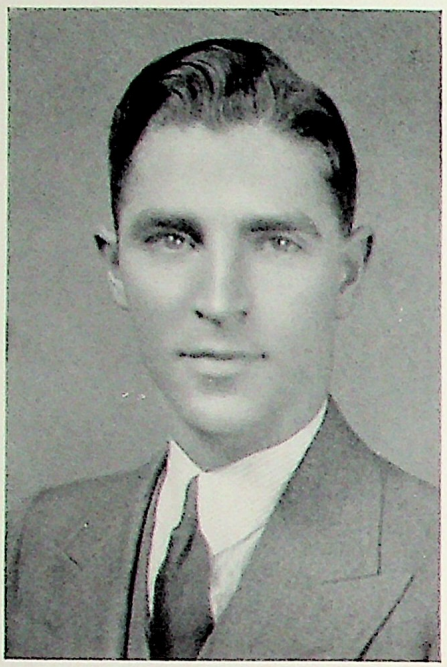
Architecture

Greenwich High School, Connecticut

Pratt Institute

Class Vice-President, '29.

Ed is one of the most ambitious men in the class. He has the poise and manners of a Cooperite and is he courteous? Why there isn't a man in the class who wouldn't be proud to say they know him. We attribute these sterling characteristics to the fact that he lives way off in the sticks. We're all hoping he will keep up his good work, so that he may get out in a few years.



FINN H. MALAND

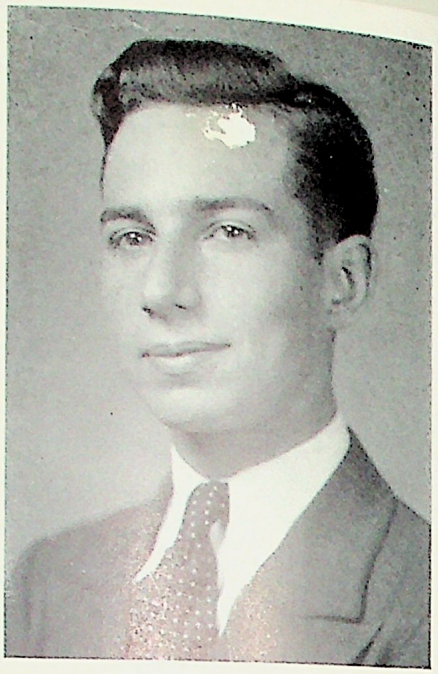
"Finn"

Architecture

Morris High School

Finn is one of a quartet of hoofers that have worked amateur shows for the last three years. He answered several chorus boy calls for Broadway shows, but was never picked because he was either too short or the wrong type.

Two years ago he left a $30 per week position to enter an architect's office as a Junior Draftsman at $12 per week (with future). Four months ago the office closed up. He was still receiving $12 per week.



DAVID MESNIK

"Gabby"

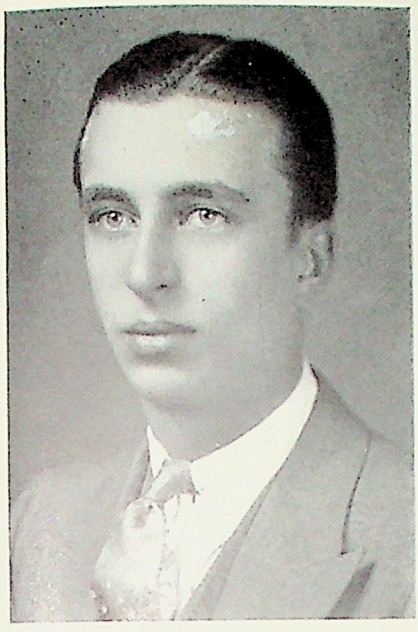
ΛΣΚ

Architecture

Arch. Circulation Mgr. of Cable, '32.

It certainly is a shame that they have no long distance talking contests in the Olympics. I'm sure "Gabby" would qualify without a doubt and win without apparent effort.

He is the type of man needed to pry money loose from the architects.



ALFRED MUNSON

"Whitey"

Architecture

New York Evening High School

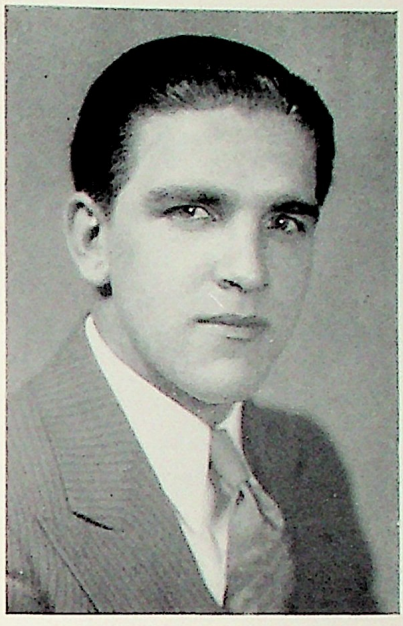
Art Students' League

Wrestling Team, '32.

"Whitey," called that because his hair is light brown, is a well-mannered and modest young man. He has traveled extensively, having been to Europe, South America, West Indies and Canada.

His ambition is to become an architect, and, if ambition counts for anything, he will go far toward that goal.

"Whitey" is quite a wrestler, having participated in the "Graphic" tournament last year. Being one of those strong, silent men, it is easy for the girls to like him, and who doesn't?



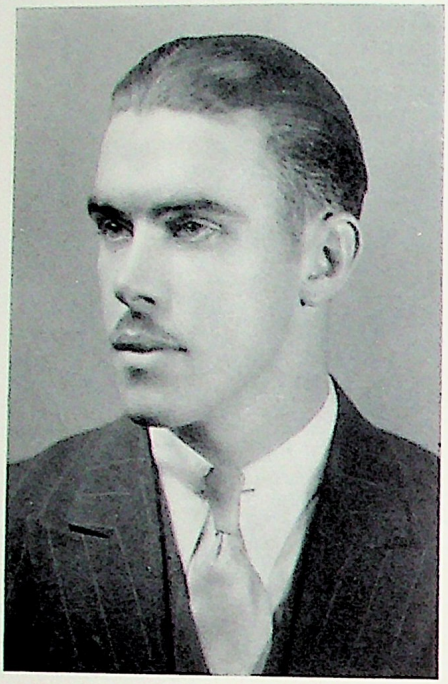
FRANCIS X. MUSKA

"Mush"

Architecture

St. Mary's High School, Perth Amboy, N. J.

Frank is a constant commuter via Staten Island ferry from a little town called Perth Amboy, said to be located in the "sticks." He claims that each 50 minutes round trip daily puts another gray hair into his head. "Quite monotonous," he says, but it's worth while as there is a fair-haired maid waiting for him at the end of his return trip. On each school night at 9:15 he may be seen packing up his instruments and leaving our institution in order that he may catch the 9:30 train, otherwise he sleeps in the railroad station.



WILLIAM M. NULTY

"Mac"

Architecture

The man with the invisible mustache! His real name is "Sh! Sh!" He is a great traveler, having been to Florida. This is immediately apparent from the vacant expression on his face, that is, like an open book. He is a very popular man with the ladies, that is, was popular from the age of one to ten. And in conclusion, may it be said that he is a willing contributor to the Society for the Buying of Eyeglasses for the Blind Mice of Siberia.

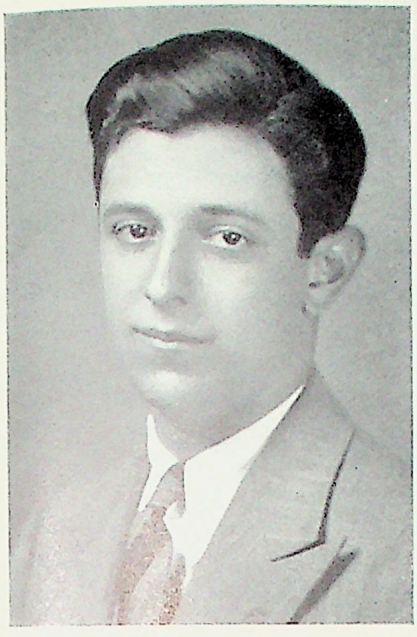
ELLWOOD G. O'BRIEN

"Obie"

Architecture

Murray Hill Technical High School

He is a very quiet chap—but one must remember—"Still water runs deep." He just bought a business so he could mind his own. Besides possessing that Irish humor he yodels like a "Heinie." If you see blood spattered on this page you'll know his Irish was gotten up. Amen!



WALTER G. PASETTO

"Walt"

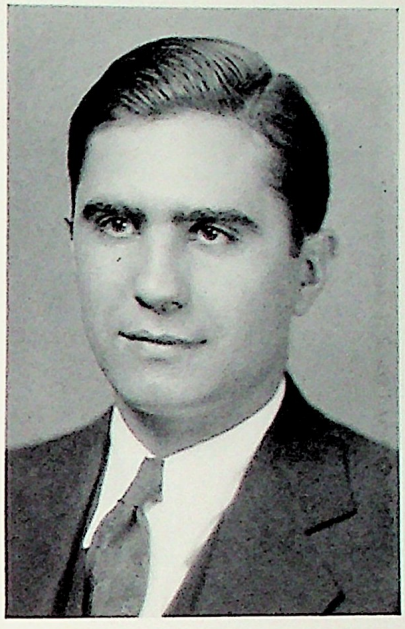
Architecture

Memorial High School

Honorable Mention, '30.

Walt is a quiet sort of a fellow, but then, as the old proverb says, "Still Water Runs Deep." This is true of Walt. He is a very hard and ambitious worker who takes much pride in his work. He is sure to be successful in life if he keeps up his good record.

Walt is also a very good friend to have, for he is always ready to help or do a favor. Happy landings—Walt.



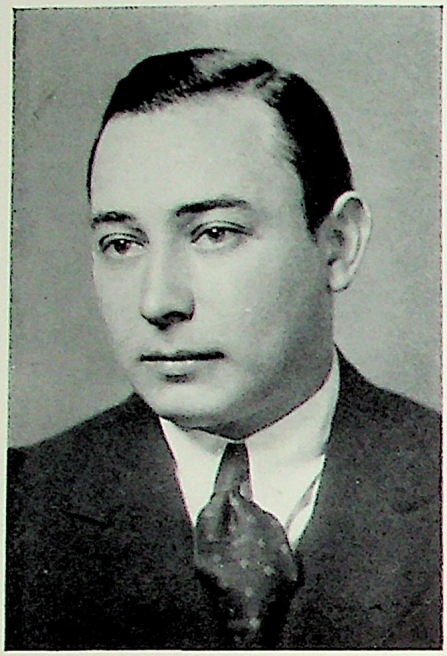
ANTHONY M. PAVIA

"Pavia"

Architecture

Columbia Extension Business School

Here is a quiet sociable chap from the wilds of Stamford. Ambition is manifest in this lad, as shown by his passion for commuting each night to the city. He has recently been inveigled into the domesticities of home life and his great ambition is now, unquestionably, to write the "Great American Epic." Pavia is an estimator by profession and is a great help to Mr. Entwistle in the Estimating class. He has a mania for getting lost in the Bronx and falling down concrete stairs (1-2-5 mix).



JACK PETSHAFT

"Pet"

Architecture

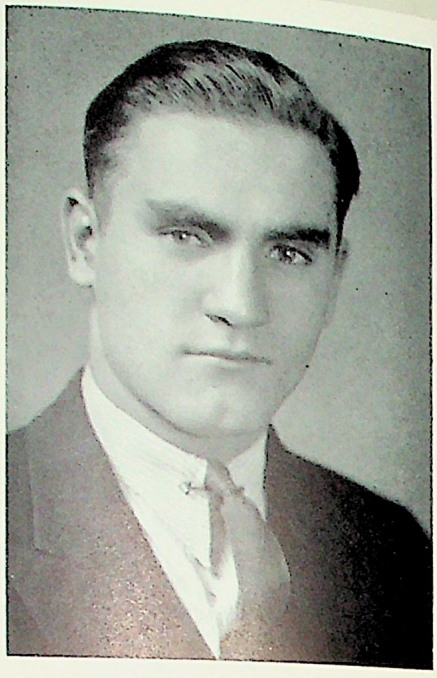
Passaic High School

New York University

Basketball, '30.

Introducing to a startled, expectant world, Jack Petshaft, estimator extraordinary, also, somewhat of an architect. He is invariably found with a brother architect-to-be, Barrons by name, discussing motion pictures, murders, prize-fights, and other topics similarly akin to the work at hand.

But now we arrive at the sorrowful climax. On a sunny day in May, '32, Jack will figuratively shake the dust of Little Old New York from his No. 9's and weigh anchor for the fair land of California, exact locale to be Los Angeles, to pursue his architectural studies.



HAROLD REINER

"Shorty"

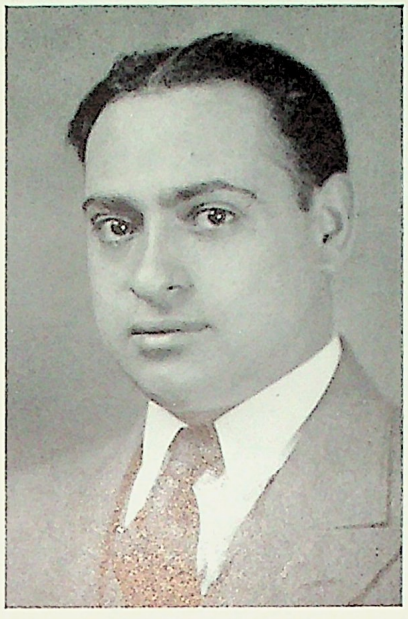
Architecture

Newtown High School

Mechanics Institute

Class Vice-President, '31.

Harold is a fine fellow. He has notable ambitions and high aims. His biggest ambition is to be a nuisance. He spills "wash" down our backs and leaves it anywhere, where it is sure to be in the way. He makes our lives in class just a bowl of cherries, but he puts the pits in the juice. Here's to his success. What? No, we don't kiss him good-night.



JOSEPH SARAVIS

"Joe"

Architecture

Englewood High School

Cooper Union Institute of Technology

After Joe got through with his C. E. course, he decided to try something easier — Architecture. He claims he will be able to use both of them when constructing skyscrapers of his own.

At present he is employed designing steel structures and insists upon telling us, ignorant brick designers, about them or pointing out our mistakes.

From the way Joe brags about his son, the infant must undoubtedly be the great man of the future.

BENJAMIN SAVITSKY

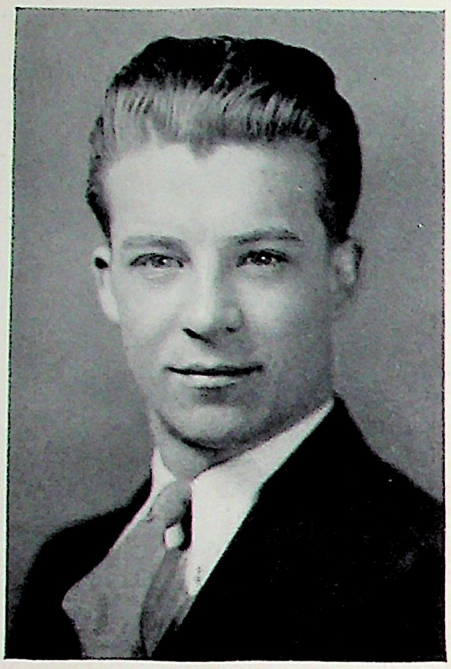
"Ben"

Architecture

Textile High School

He is known as the Beau Brummel of the Architectural school and is quite a ladies' man. Oh! girls, here he comes! In his spare moments he twirls his luxuriant mustache, which is considered one of nature's finest beauty spots. He is of a quiet disposition but, as the saying goes, "Muddy water runs deep."

In conclusion, we would like to say he is a born gentleman, whatever that means.



GEORGE T. TAYLOR

"Georgie"

ΛΣΚ

Architecture

Dickinson High School

Class Vice-Pres., '30; Honorable Mention, '30; Student Council, '31; Class Pres., '31; Vice-Pres., Student Council, '32; Vice-Chairman, Junior Prom Comm., '32.

Georgie is another Jerseyite and a good student. He is a fellow who is bound to make good, and hopes some day to open an office in the wilds of West New York.

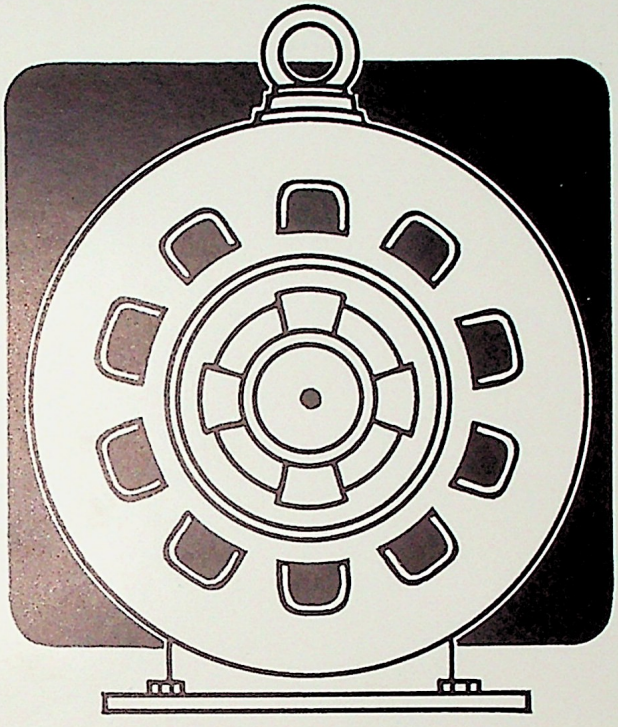
In class he is always busy and quiet, except when at a class meeting. Then he makes sure everyone knows about it.

FLOYD BENNETT

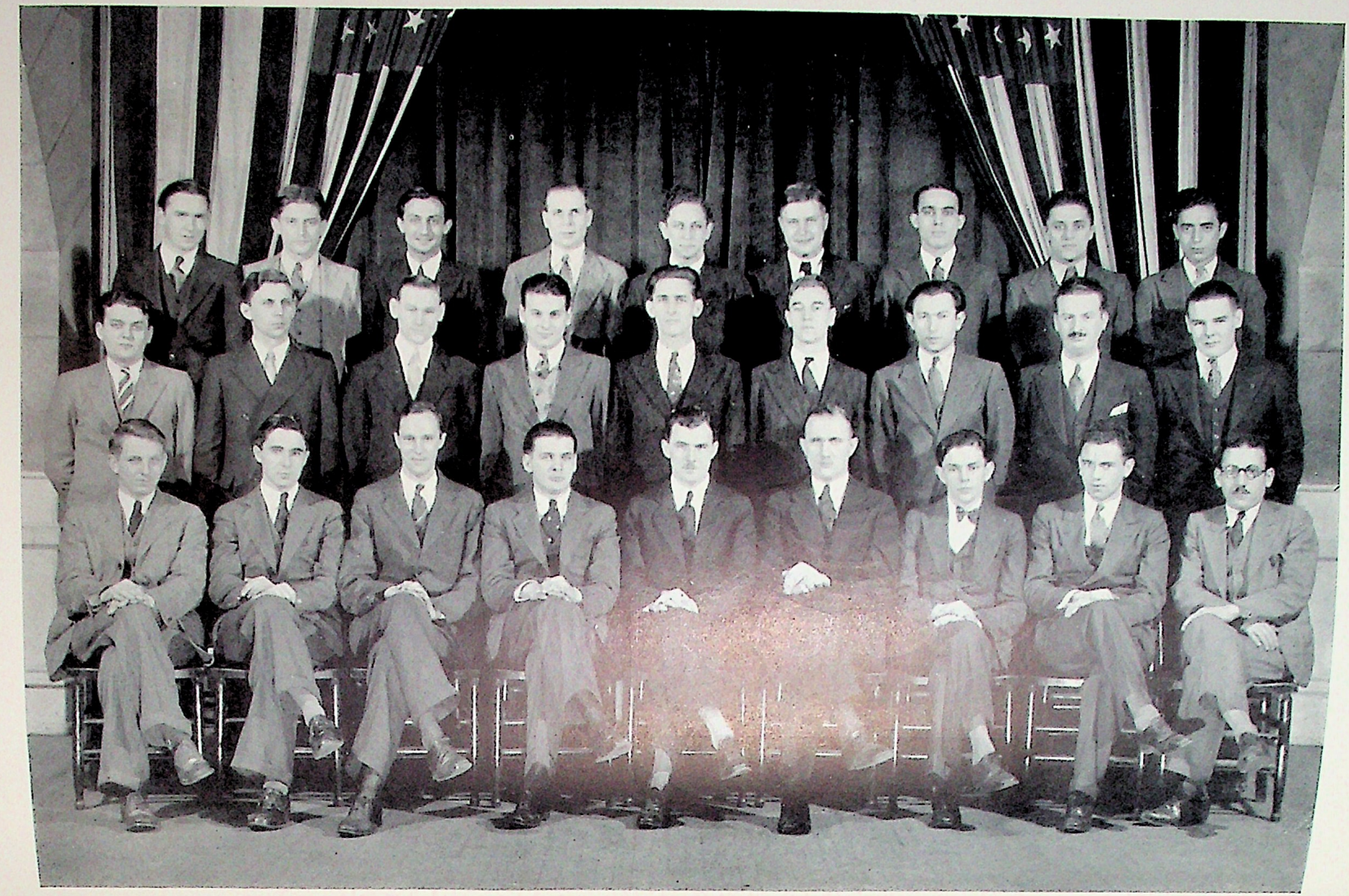
"Byrd's"

This huge tri-motored airplane has taken Commander Byrd, Bernt Balchen, pilot, Harold June, radio operator, and Captain McKinly, photographer, to the South Pole and back, from their colony at Little America. The distance of 1,600 miles was covered without mishap and another achievement of courage and technical skill was written in the annals of Aviation.

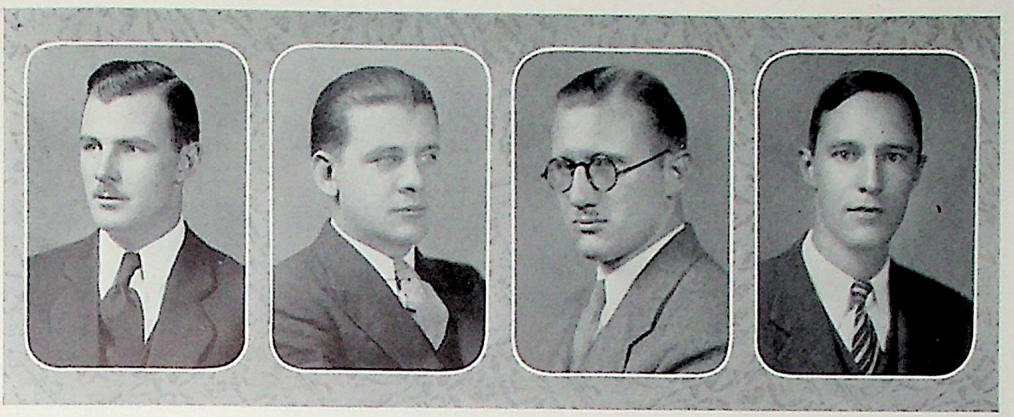
The plane was named after Floyd Bennett, a member of Byrd's transatlantic flight. Floyd Bennett was instrumental in rescuing three European east-to-west flyers lost in the wilds of Labrador. He contracted pneumonia as a result of the adventure and died shortly before Byrd set out for the Antarctic. He was supposed to accompany Byrd on his South Pole venture.



CLASSES OF 1934



GENERAL SCIENCE



President
JOS. J. FITZGERALD

Vice-President
S. J. ZAWADAWICZ

Secretary
HARRY IHLENBURG

Treasurer
W. C. KLEINFELDER

General Science

IN acquiescence to the ardent appeals, unyielding demands and stern threats of prosecution, on the charges of inactivity in curricula and extra-curricula activities, the class of '34 hereby humbly submits its alibi.

We did, during the scholastic year, '31-'32, actually and in fact, contribute manpower to the athletic organizations. We offer as evidence the following:

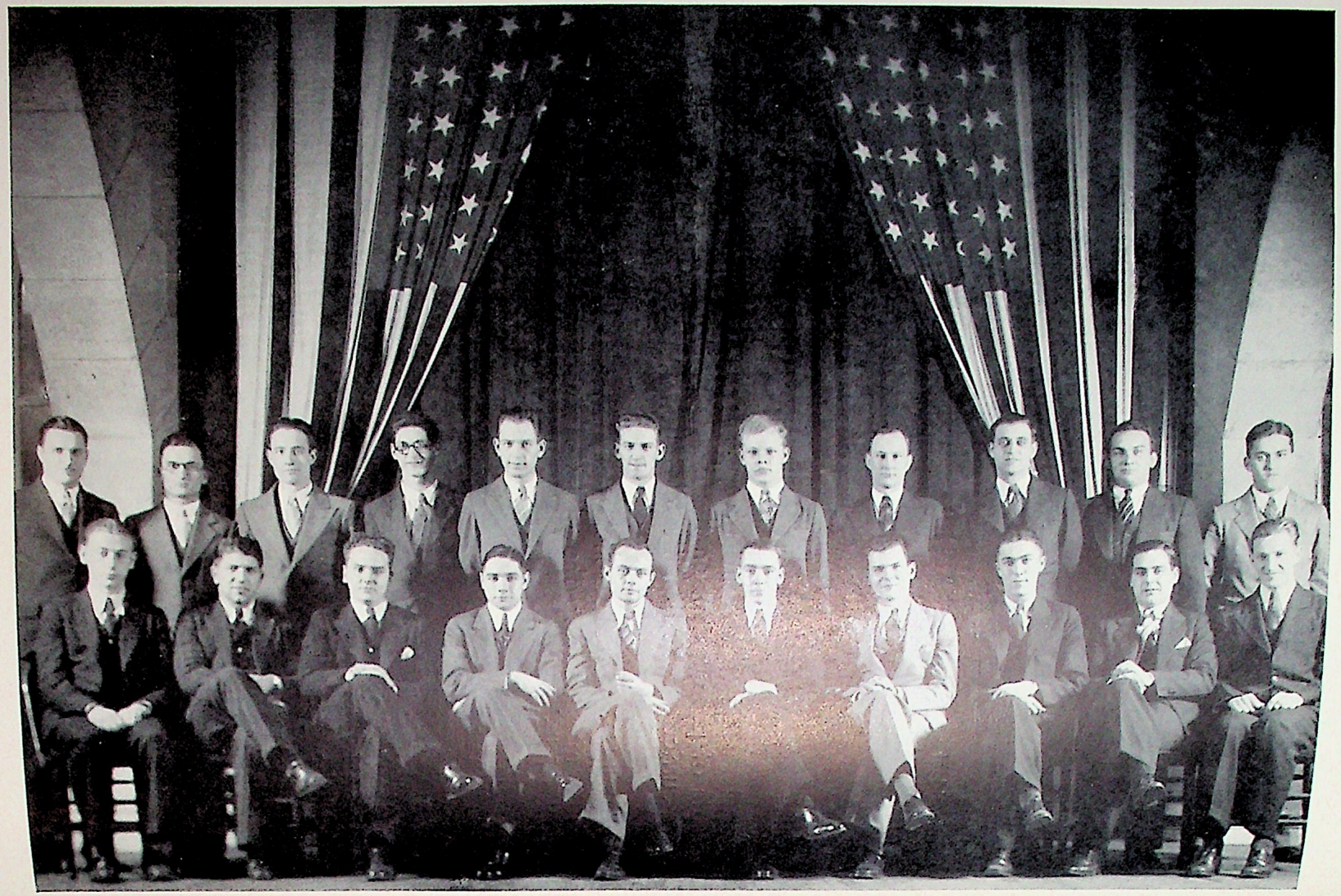
Four men and the captain of basketball, one man on the tennis team and one man on the football team.

We did, during the scholastic year, '31-'32, most successfully, run a stag dinner in lieu of a dinner dance, as was previously decided upon and did not allow this affair to dampen our appetites (or thirst) and enthusiasm for the Annual. We offer as evidence the opinions of those who had the good fortune to attend, observe and, most of all, indulge.

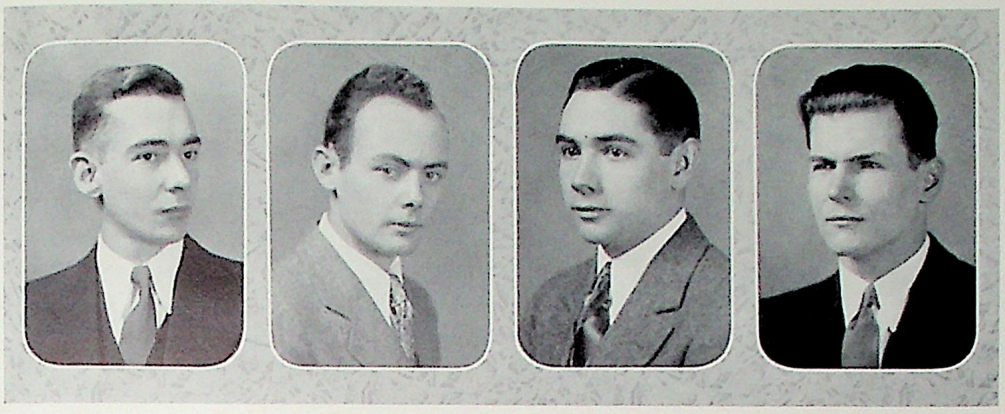
We do say that it is well within the realm of probability that we will have few casualties in our scholastic ranks this year.

The defense of General Science, '34, rests.

THE HISTORIAN.



ELECTRICAL ENGINEERING



President	Vice-President	Secretary	Treasurer
GEORGE O'BRIEN	JOHN V. CAHILL	LEO T. McGUIRE	GILBERT RIBREAU

Electrical Engineering

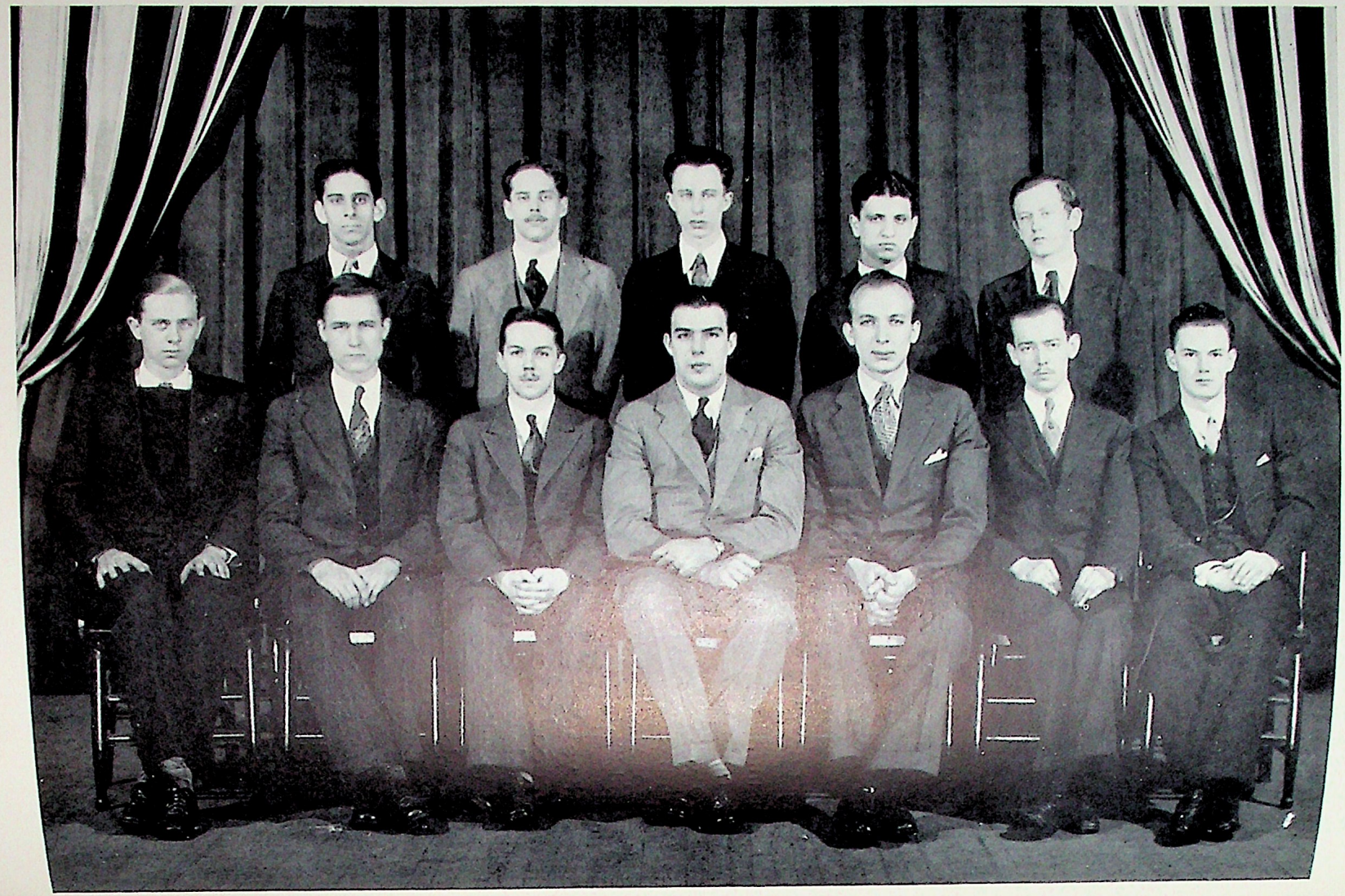
"HALF-WAY POST." As we, the class of '34 in Electrical Engineering, pass this landmark in our journey through Cooper Union, we momentarily glance into our mirror of recollections and see what we have accomplished and gained. Among the countless number of things that are recalled to our minds, the most predominant are the friendships we have made, last year's class dinner and the scholastic and athletic ability of the class as a body.

Last year's class dinner was a stag affair, at which the instructors joined in good fellowship the members of the class in making merry, thus casting aside any doubt as to whether the instructors of the Union are real and regular fellows.

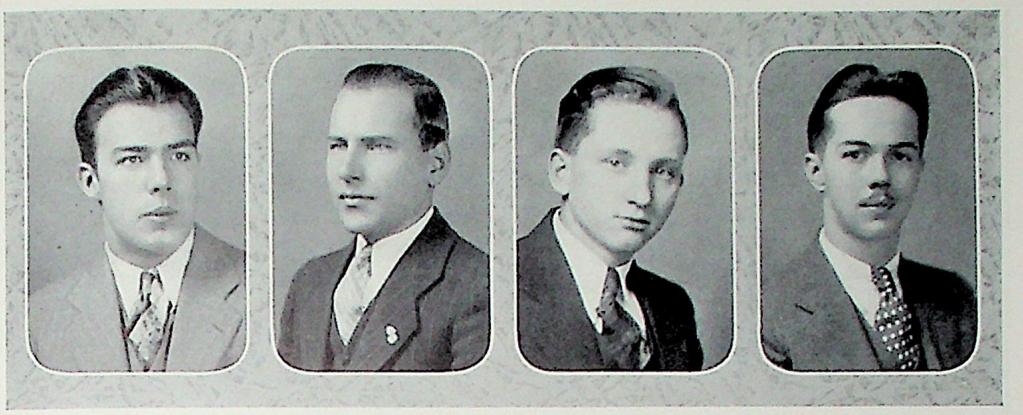
But only momentarily does our glance go backward; we now look forward. The third year is the introductory year, wherein the students of Cooper Union may take an active part in the executive capacities of the school. At the beginning of the year, we found many taking active parts, and many more awaiting the opportunity to do so. Our class has supplied an abundance of material to the various teams of the school, having leaders in the various branches, and a number in the executive board of the A. O.

The aim of the class of '34 in Electrical Engineering appears to be the enacting, on the stage of Cooper, of an impressive history for incorporation into the annals of the Union. May we succeed!

THE HISTORIAN.



CHEMICAL ENGINEERING



President	Vice-President	Secretary	Treasurer
ARTHUR O. PLOETZ	FRED C. OLWIG	WILLIAM HARATONIK	J. WILLIAM CAREY

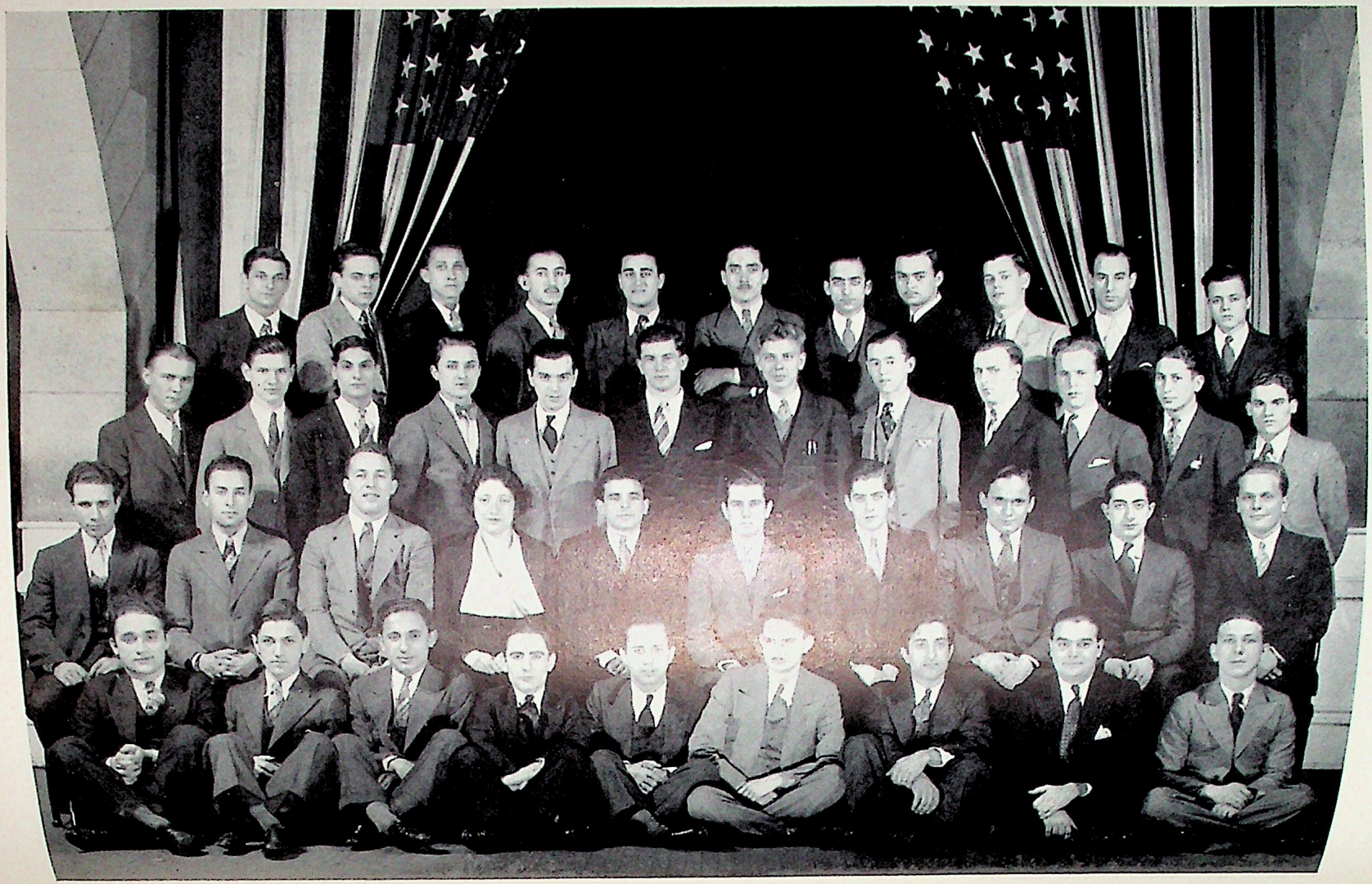
Chemical Engineering

THE second lap of the Scholastic Steeplechase was run with fair success. A few tripped over the conditionary hurdles, finding themselves handicapped for the next time around as a consequence, while a more meagre group plunged headlong into the brook of defeat and was lapped by the field. These still have a chance, for all who reach the finish line receive a prize. One or two were disqualified, and one of the most promising, Gordon Danieli, succumbed to the stern race, losing life's race as well. All things considered, the original field has not dwindled as rapidly as it might have done.

An unusually high percentage of the class have developed school interests outside of the routine class work. The third year chemical engineers are well represented on the various teams, having furnished the high scorer in track and field, besides taking a large part in more scholarly attainments such as the "Pioneer" and school advisory bodies. Lack of support among the rank and file is negligible when universal support is called upon. Cooper Union is recognized by all of them as an institution from which they receive benefits worthy of reciprocation to the full extent of their power.

The annual class affair after the final exams was so successful that it couldn't be voted the usual huge success. The interest of the boys seemed to be focused on matters other than voting as the stag party drew to a close. If truth be told, some of them couldn't focus on anything by that time. There was treachery within; the chemists were downed by their own chemicals. During the early part of the evening some of the instructors who had suffered with the class all year celebrated with it for once and "a good time was had by all."

THE HISTORIAN.



President	Vice-President	Secretary	Treasurer
ELIAS H. REIF	FRANK BROWN	REVA A. SEGALL	EDWIN McGRATH

Architecture

THE present sophomore architectural students welcomed the month of September because it meant scholastic activities once more.

Our first activity was the reorganization of our class. An election was held in November for the various officers. All officers won their respective places by close margins, so much so, that it took several weeks to decide who would be Vice-President and Secretary. Clannishness played no part in these elections because all the nominees received votes from all sections in quantity enough to dispel any thought of group selection. All the nominees were very popular with the entire class, which accounts for the tight voting.

Without delay a class meeting was in session and at this first meeting we outlined the salient activities for the year. Some of these included plans for a theatre party, dance and debating club. Cognizant of our pecuniary obligations as Juniors, we decided upon class dues which will aid in amortizing them. That the above social get-togethers had gone a long way toward cementing our mutual friendship, is the consensus of opinion. We are striving to be modeled after by our successors for the perpetuation of the Cooper Union spirit.

Faithfulness, perseverance and integrity in the studies at Cooper Union make up our class spirit. This indomitable spirit ultimately spells success individually and scholastically. We are aiming to further blazon upon the world's horizon the name of Cooper Union and to maintain it by our anticipated hopes of success.

The old adage reads—"There is always room at the top"—and we, as a class, are seeking that level.

THE HISTORIAN.

Life Class

President	Vice-President	Secretary	Treasurer
P. L. SIEDMAN	R. GIGLIO	J. BORNMAN	J. P. CAPPELLO

THIS is one institution where "lifers" are permitted to go their way, unhindered, after serving only four years. Since our only crime is our love for art, our punishment, accordingly, is commitment to four years studying it. As keepers, our teachers could not have been better—sometimes stern, sometimes angry, but always helpful and considerate.

No doubt, Mr. Ciampaglia would have been, at times, more than pleased to commit some of us to life in another institution, but boys will be boys and art students will be drawn to anything.

But, seriously, with the able teaching we've received during the past four years, we are sure that a large percentage of our class will do work of merit, if not genius, in the years to come. At least we hope to be able to recognize good work when we see it.

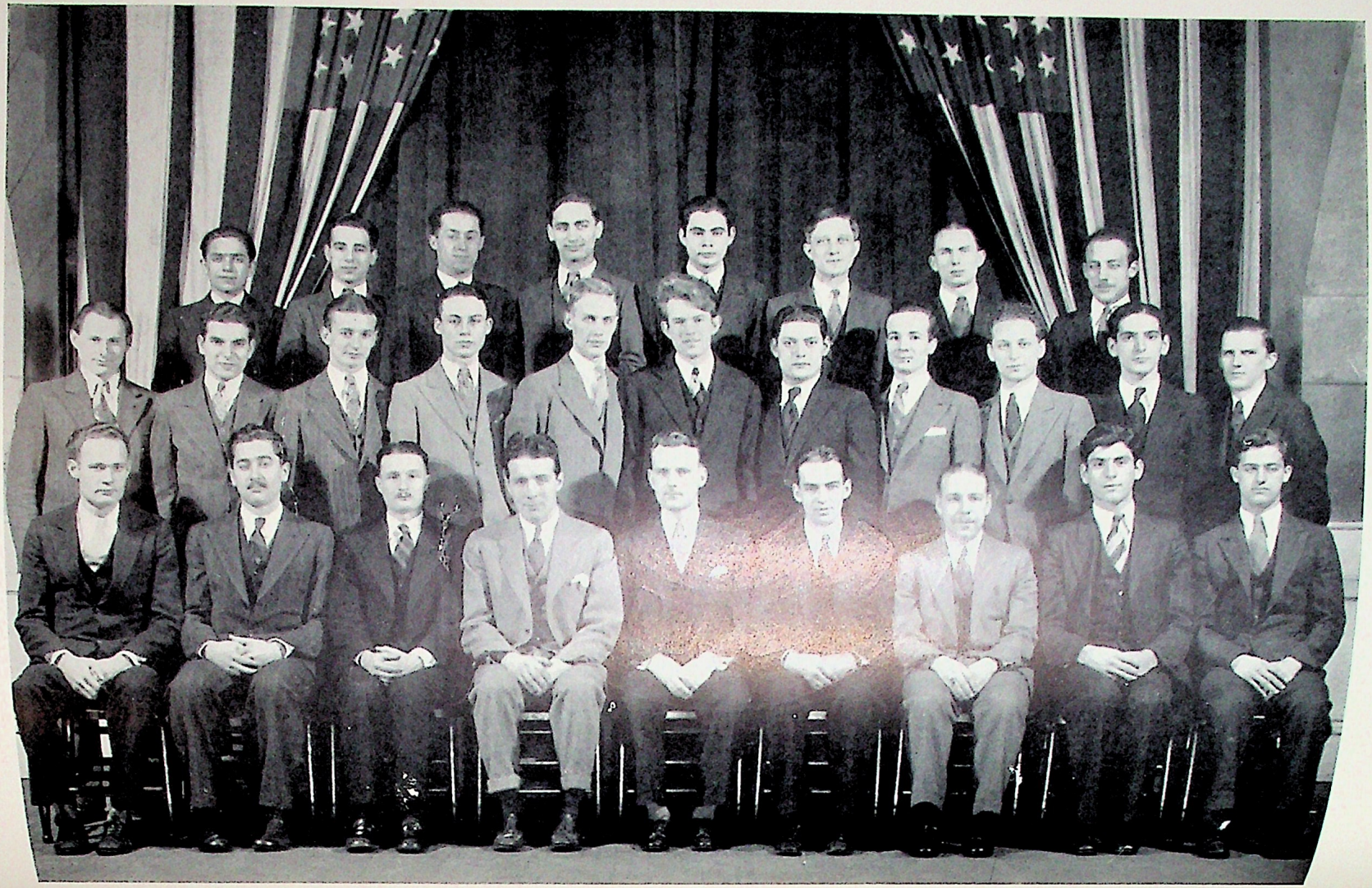
Truly, we boast of a happy-go-lucky, yet earnest group, if such a thing is possible, and this depression we hear so much of bothers us not one bit.

Although this last year has been a very lean one for us, yet we have been giving each other friendly and staunch support. A visit to our class room, where you could view fifty to sixty of us, so crowded as to be forced to lean on each other for support, would soon convince you.

Depression or no, Art is long and Time is fleeting, and when did poverty ever strike terror to the heart of a true artist? (Commercial artists excluded.)

THE HISTORIAN.

CLASSES OF 1935



GENERAL SCIENCE

President	Vice-President	Secretary	Treasurer
CHARLES C. DUFFY	EMMET G. HAPP	WILLIAM P. REUSS	JOHN C. COUSE

General Science

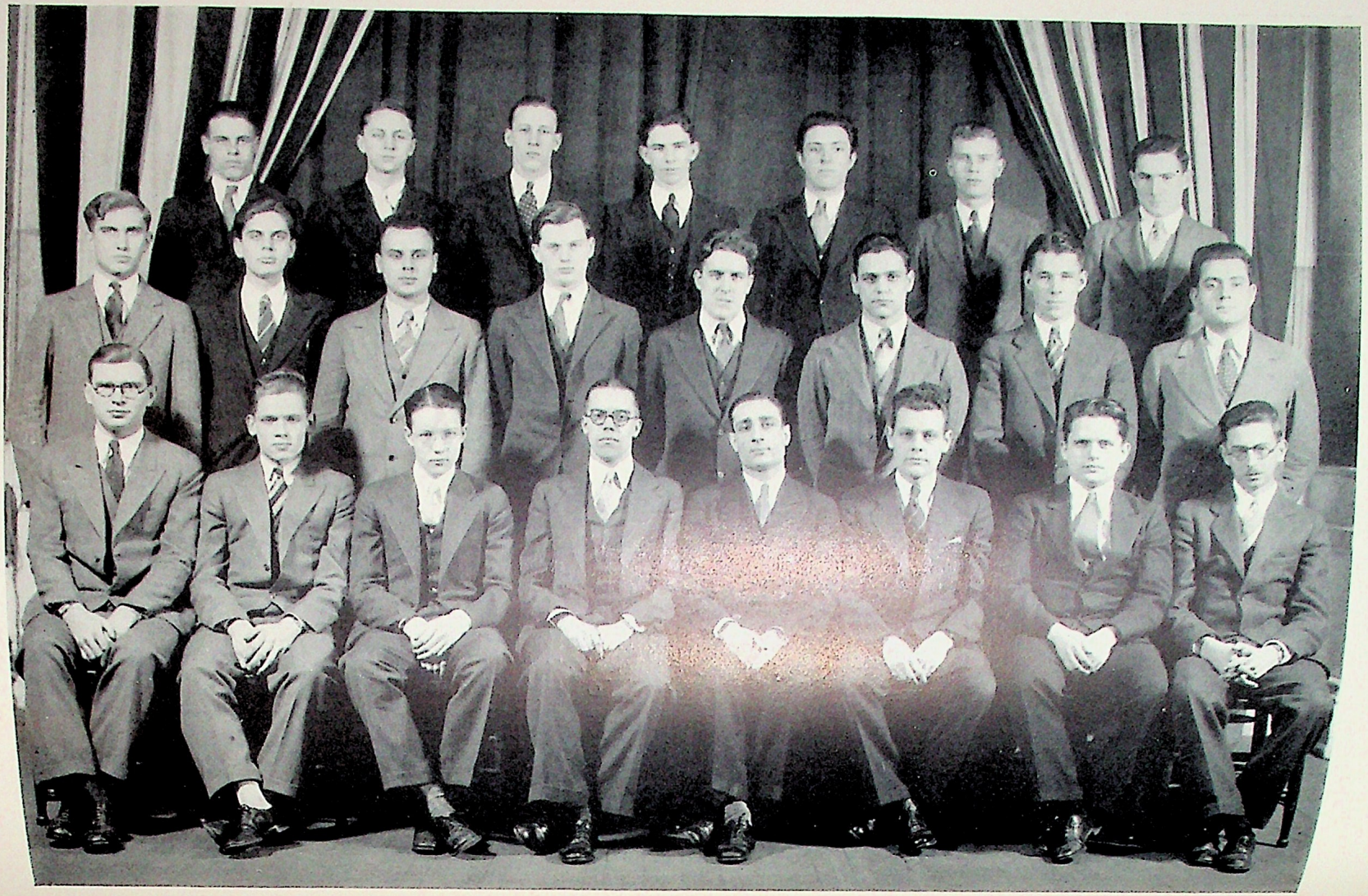
THE knowledge we sought when we first entered Cooper Union we have seized upon with avidity. The number of those who fell by the wayside has been extremely small, and the companionship of the past two years has succeeded in consolidating friendships among the members of our class.

We take a reasonable degree of pride in the share we took in athletics during the past year; our record shows numerous representatives on the various teams.

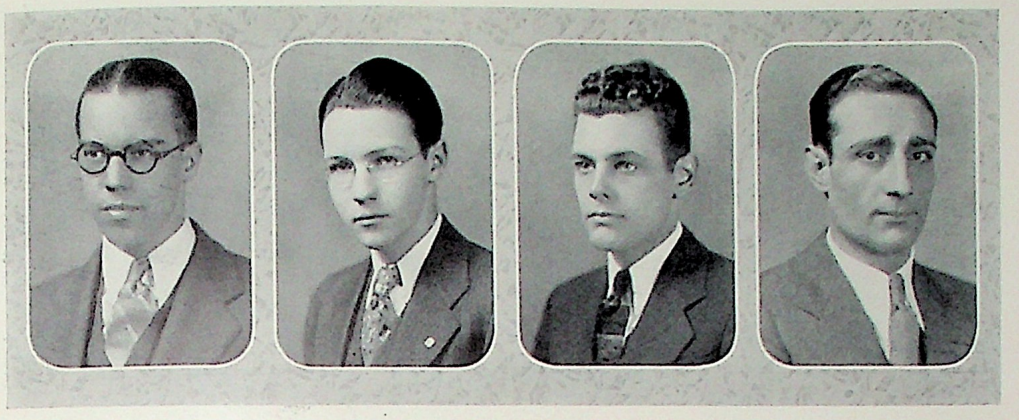
It is with pleasant anticipation that we look forward to the renewal of our friendships next year. In order to promote closer amenities of social intercourse it is our intention to start the ball rolling early for a gala social event.

We wish to take advantage of this opportunity to express to the faculty our appreciation of their whole-hearted efforts to advance us toward the goal which we are seeking.

THE HISTORIAN.



ELECTRICAL ENGINEERING



President	Vice-President	Secretary	Treasurer
WILLIAM S. QUICK	HARRY D. GOODE	ALBERT G. SLECHTA	JOSEPH F. COSTA

Electrical Engineering

UPON our return to the fold in October, we noticed, after several weeks had flown by, that some of our old classmates were among the missing. It seems, somehow, that the years cannot pass without taking their toll. We all agreed that last year was not a snap and after several lectures this year we have now decided that this one will be no less difficult.

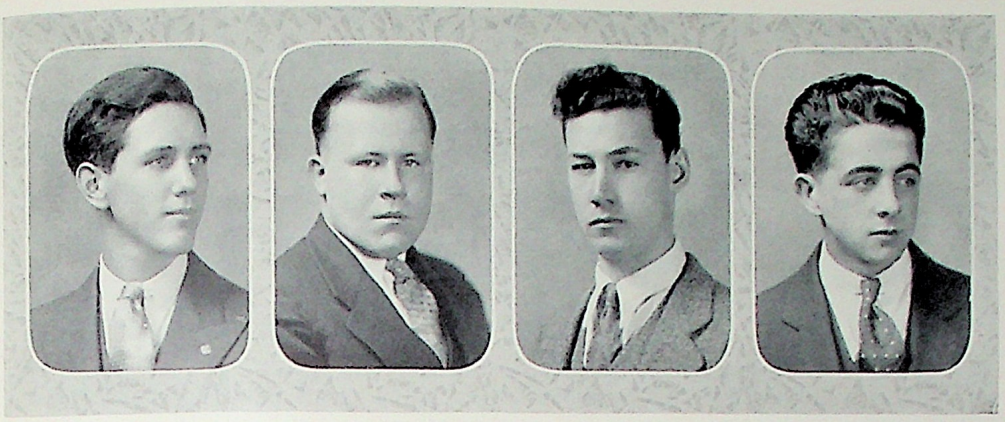
Our instructors this year are about as fine a group of gentlemen as one could expect to find anywhere. Now that we have no complaints to make about them, we have finally decided that our presence in Cooper in '35 depends entirely on our own ability. What a terrible revelation! We abhor the idea of being entirely responsible for our own success or failure, but it seems inevitable.

Our class affair last year was such a huge success that we intend to enlarge upon it this year and make it the best ever. This year, many more of us are playing a prominent part in the social and athletic life of the school. We are well represented in several sports and most of us claim that the dances are too few and far between. All these outside activities have shown us that being a student at Cooper means a great deal more than merely devouring books. After all, the things that are remembered most easily in later life are the social pleasures we have had while attending school.

So here we be, ready and anxious for everything and anything, and hoping to see the year through triumphantly.

THE HISTORIAN.

CHEMICAL ENGINEERING



President	Vice-President	Secretary	Treasurer
EUGENE A. KELLY	A. KENNETH TOSH	EDWIN J. STOKIEN	ARTHUR SPIEGELMAN

Chemical Engineering

ANOTHER year has come and gone and with it another year in the history of the Chemical Engineering class of 1935 has been completed. The class, as a whole, has come through its many trials and tribulations with flying colors. It has advanced another step forward on the road to graduation. Although the road has been long and hard, and has taken its toll of students, still the class goes marching on.

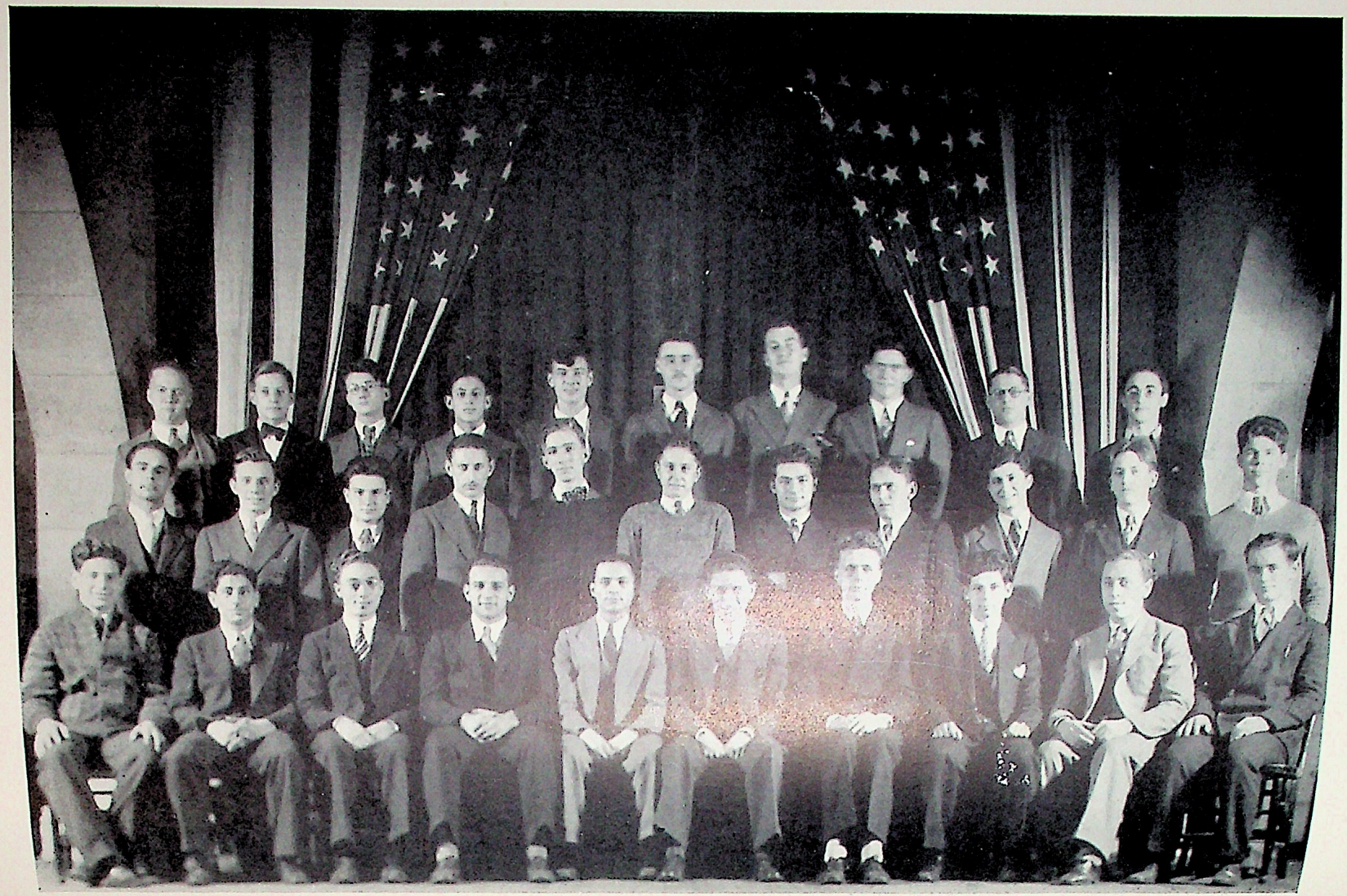
Not only has the class made an enviable record in scholarship, but also in extra-curricula activities. It was represented by Artie Spiegelman and Joe Laucias on the varsity basketball team; by Hal Albert and Gene Kelly on the Pioneer and by Gus Rosen on the football team. It also contained such famous personages as "Murphy" Levinson, the Brooklyn boy who made good at Cooper, and "Dutch" Kugel, who learned how to take it and like it.

Nor was the class far behind in its social activities. Class functions were held on the Election Day holiday and during the Christmas vacation, and to top it all, a class dinner was held at the end of the school year. Boy! did we have a swell time? Just ask anyone in the class.

We must not forget to mention a word or two of our instructors, who have so diligently and successfully directed us in our work.

Taking everything into consideration, this was indeed a banner year for the Chemical Engineering Class of 1935.

THE HISTORIAN.



INSTITUTE OF TECHNOLOGY

President
BYRON K. HARTMAN

Vice-President
CHARLES T. MOLLOY

Secretary
ANDREW G. BARRY

Treasurer
SAMUEL ZEITZOFF

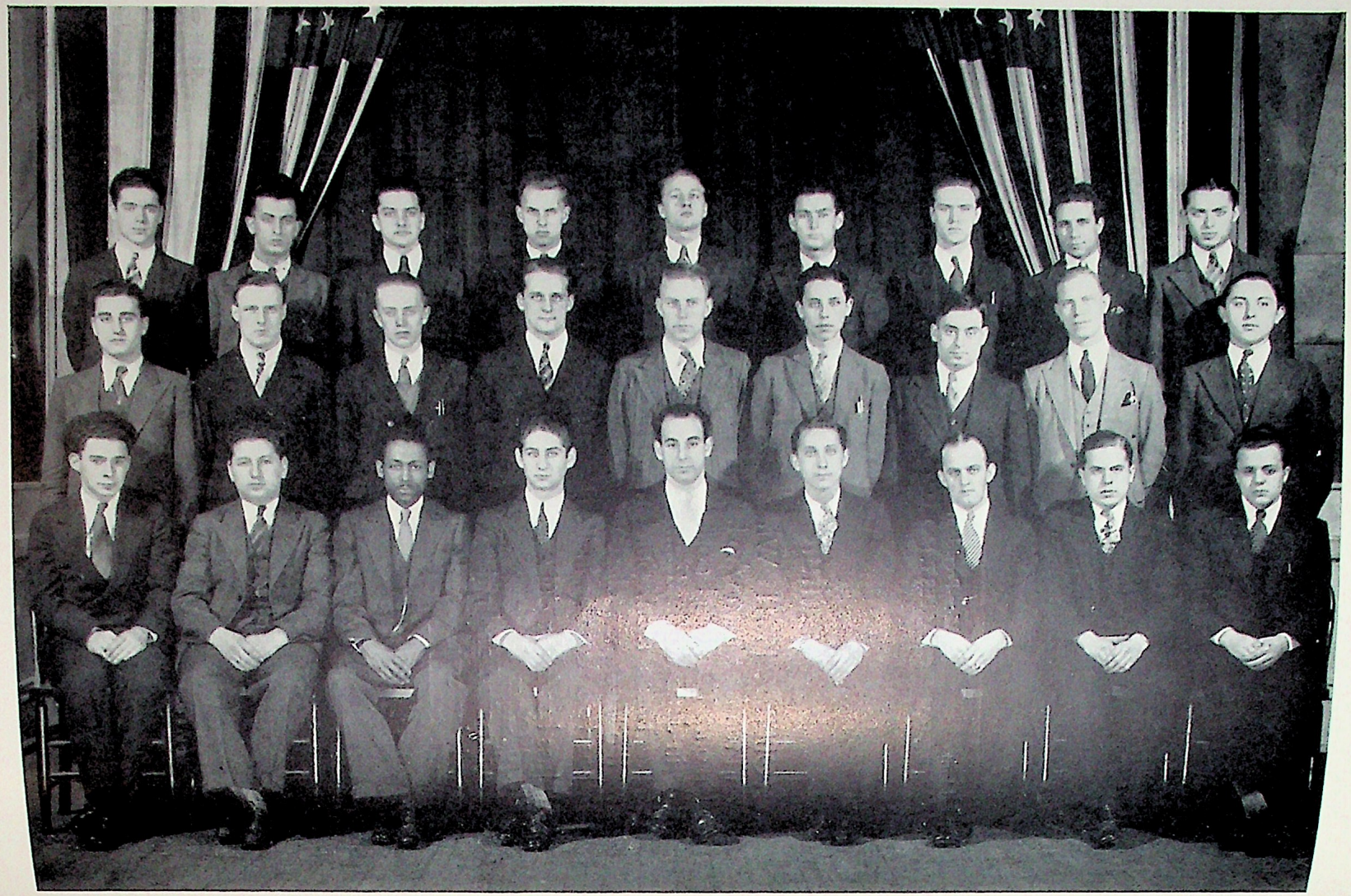
Institute of Technology

OCTOBER 7, 1931! What a day, especially for the one hundred and ten freshmen who had just entered the portals of the Cooper Union. They had come in, but not for the first time, for each had either in June or September taken examinations to enable them to enter here. These men, pardon me, ladies and gentlemen, who now constitute the freshman class were the possessors of the highest marks. The class has two females in its roster and they still answer the roll call.

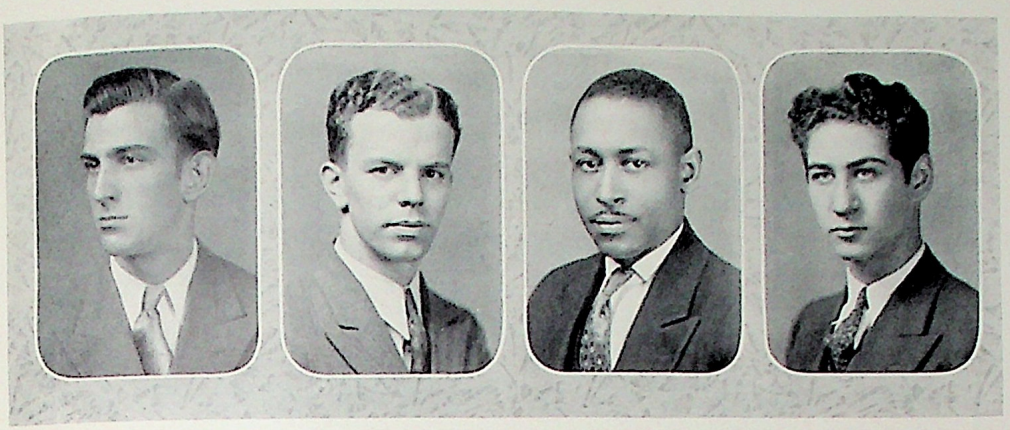
The class has been duly organized; class delegates, Student Council member and Class Officers were duly elected. By Thanksgiving we had become acclimated and entered whole-heartedly into spirit of the Thanksgiving Entertainment. We tried to put a play over, but it happened that certain upper classmen did not care to see that part of the program, so that, following the beginning of the play, a general exodus resulted. One achievement, however, cannot be taken away from us, and that is, we had the best financial returns of the entertainment.

Soon after this, a move was made by the class to do something which would put them down in history. The motion was to hold a dance, dinner or theatre party. Several meetings were called for this purpose and a committee was chosen to investigate the matter. The year has ended and they are still looking.

THE HISTORIAN.



ARCHITECTURE



President	Vice-President	Secretary	Treasurer
GEORGE D. DICKSON	CHARLES C. WARD	WILLIAM H. WILLIS	JOS. SHESTILOWSKY

Architecture

IT did not take a long time for the embryo architects to erase forever from their thoughts the picture (current to the public mind) of the instructors in academic gowns and horn rimmed spectacles; for to most of them, it was their first experience in a school of higher learning, and they came, enthusiastic and sanguine. Taken as a unit of comparison, the class of '35 easily takes its place near the head of the list of those groups which were conspicuous by the high quality of work produced.

The talks, given by our esteemed Supervisor, Edward A. Miller, had much to do in starting the new students off with the right attitude. The gist of these terse extemporaneous discourses can be likened to the words of Louis Pasteur, who wrote, "To Will is a great thing, for Action and Work usually follow Will and almost always Work is accompanied by Success. These three words, Work, Will and Success, fill human existence. Will opens the door to Success, both brilliant and happy; Work passes these doors and at the end of the journey Success comes to crown one's efforts."

Putting aside all romanticism, and in its place substituting a quiet confidence, the men of the freshman class, with a splendid spirit of co-operation, put their shoulders to the wheels in an earnest endeavor to establish a precedent in accomplishment, that the high calibre students which are to follow will deem it worthy of emulation.

It was in a spirit of gratefulness that the men, elected as class officers, accepted their posts, and we sincerely hope that they will prove worthy of the trust placed in them.

THE HISTORIAN.

Things You Never Knew Till Now About Cooper Union

By LEONARD PAUL GOLOS

THAT although Peter Cooper was born in New York City, he was educated in a primitive school-house near Peekskill. There weren't any free schools in our city when Mr. Cooper was a boy.

That both Peter Cooper and Abram S. Hewitt won the Bessemer Gold Medal. This is an award for outstanding services rendered to the iron and steel industries of the United States.

That Peter Cooper once ran for President of the United States on the Greenback Party Ticket.

That Peter Cooper built the first passenger locomotive ever seen in the United States. It was known as the "Tom Thumb" and was installed on the Baltimore and Ohio Railroad. It was used in the 100th anniversary of the railroad held in 1930. The woodcut of this locomotive is in the Students and Graduates Room in the Hewitt Building.

That one of the original twelve boxes of Peter Cooper's gelatin is right underneath this woodcut. The box also contains several recipes of the use of gelatin in cooking by Mrs. Cooper.

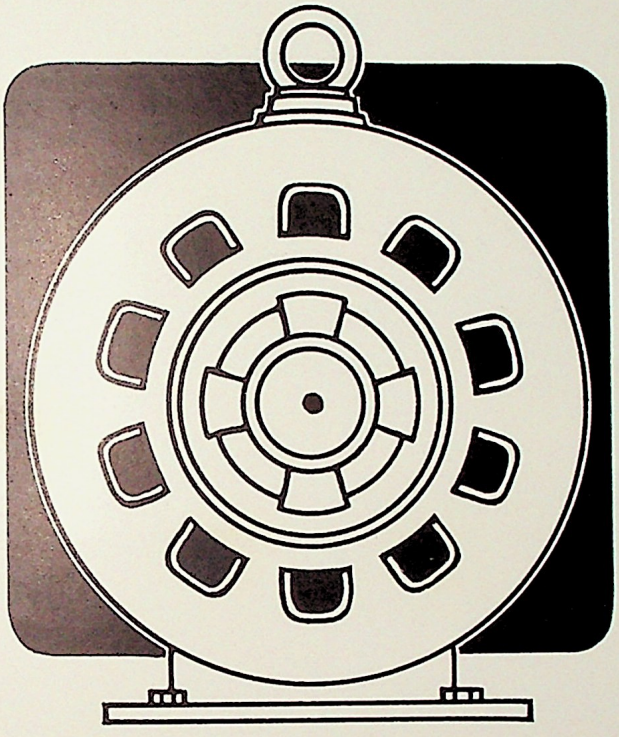
That Peter Cooper's last words were made to his children. They were: "Another hundred thousand." They knew his thoughts and after his death his children added that amount to the endowment fund.

That Peter Cooper's funeral has no parallel in the annals of New York City. Broadway closed all its shops and was cleared of all traffic. This was not by a municipal order, but a spontaneous feeling on the part of every inhabitant. As the hearse passed by all business activities ceased and long lines of spectators stood bare-headed in the streets paying heart-felt respect to him who had gone.

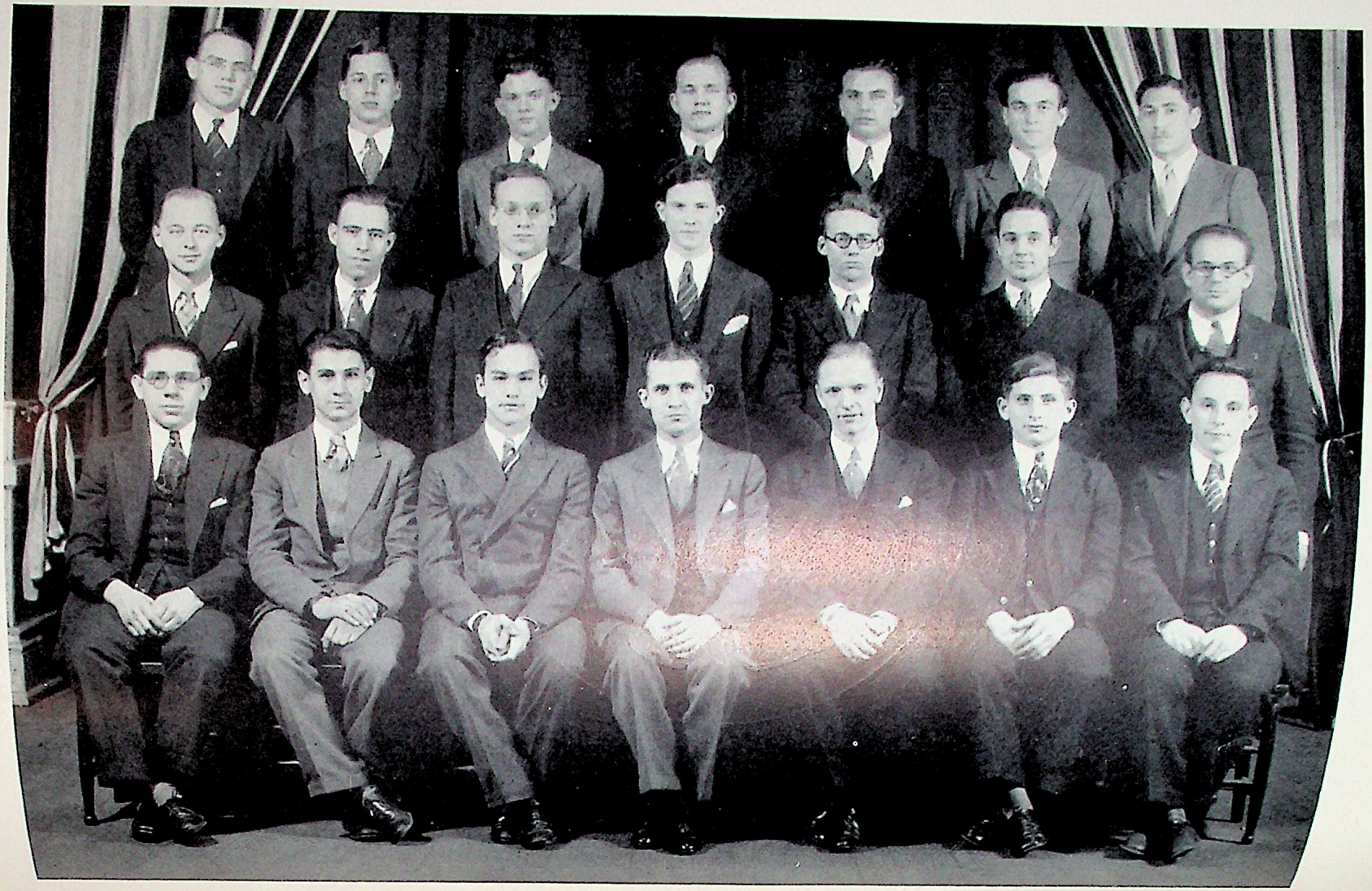
That every President of this country from Abraham Lincoln up to and including Woodrow Wilson used the Large Hall at some time or another.

That the Large Hall was the first public hall or auditorium ever built in a basement. Peter Cooper had this done because he thought that in

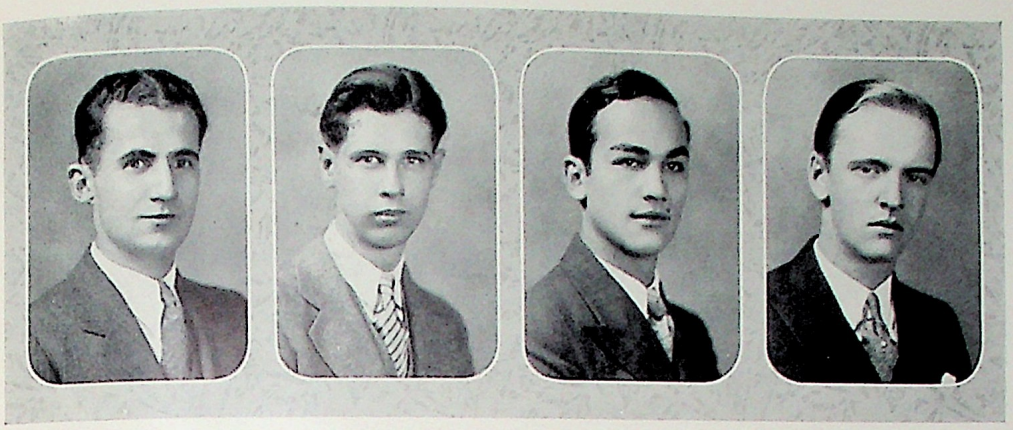
(Continued on page 222)



CLASSES OF 1936



GENERAL SCIENCE



President	Vice-President	Secretary	Treasurer
CHESTER R. McIVER	ROBERT T. RYAN	LEONARD SIEGEL	ROBERT E. GUNKEL

General Science

"GREAT oaks from little acorns grow."

We, of the General Science Class of 1936, have embarked upon our collegiate journey in the time-honored and inevitable way—lowly and humble. So have you all—upper-classmen, alumni, faculty—begun in humble fashion; yet, like the great oak, always growing, you march onward, ever forward, adding to your achievements and justifying the faith of him whose memory we revere, PETER COOPER, our benefactor.

As we freshmen review your progress, we are inspired. If perseverance, determination, the desire for knowledge and constructive work, have carried you to the heights, be assured that we will strive to keep the pace which you have set.

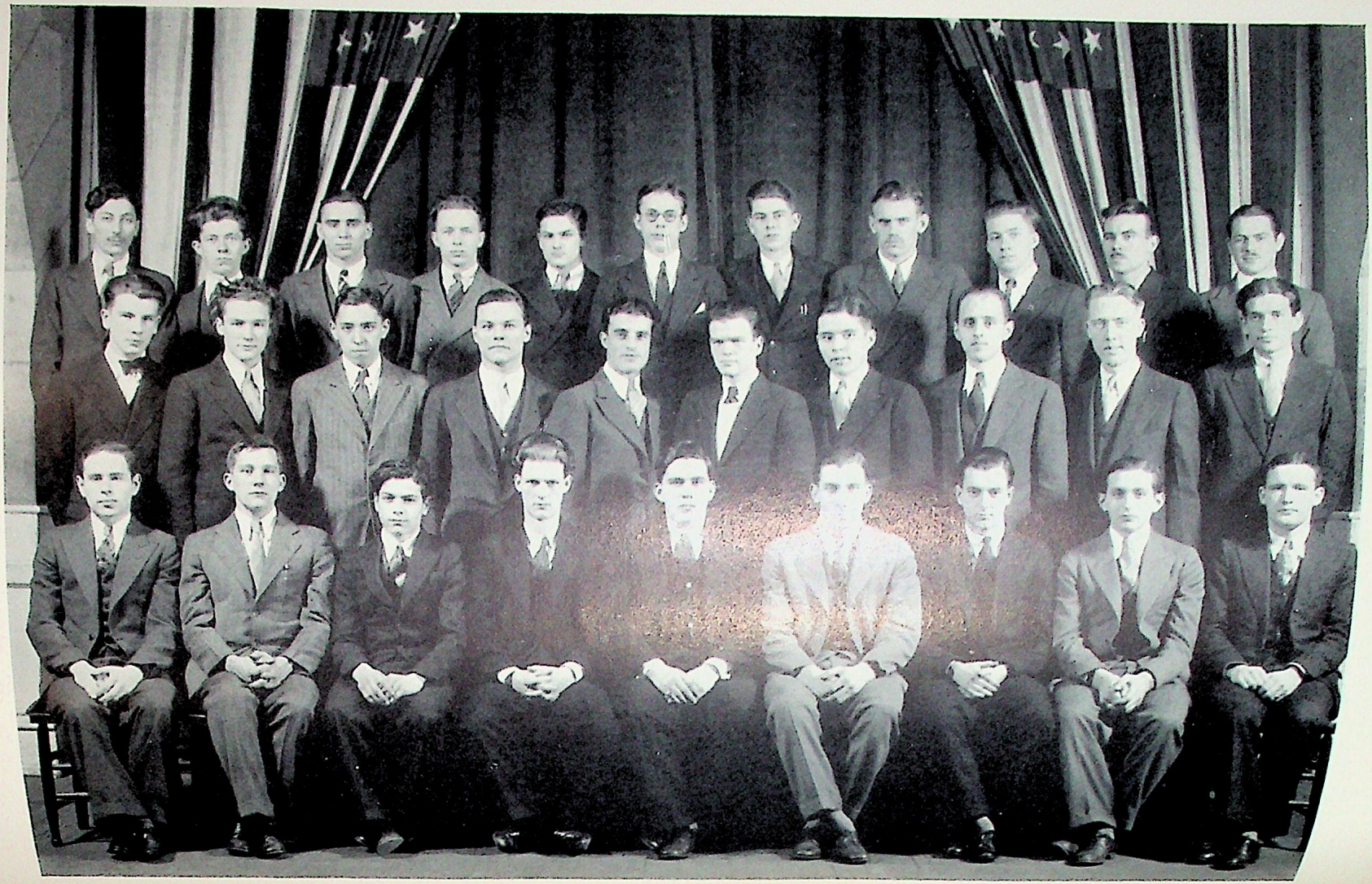
We have begun our activities, curricula and extra-curricula, in wholehearted and enthusiastic fashion. The get-together during the closing weeks of the school year added a bright page to the social history of Cooper Union.

Thus far, the machinery of the lecture hall, quiz and recitation rooms, has not ground out from our lot another Goethals, nor a Taylor; yet, judging from what we have seen and heard, the high-water mark of our predecessors in these halls must needs be deeply engraved, at a great height, if it is to escape obliteration.

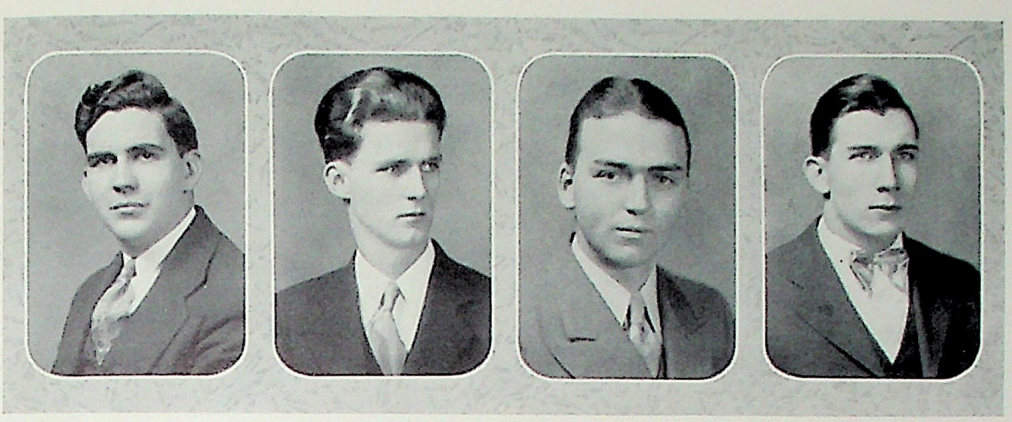
With true freshmen indulgence, let us prophesy that when the saga of the General Science Class of 1936 will have been written, there will be found—

"VENI, VIDI, VICI!"

THE HISTORIAN.



ELECTRICAL ENGINEERING



President	Vice-President	Secretary	Treasurer
ALFRED J. MUNN	JOHN J. GILL	MILTON T. WAY	EDW. E. OAKWOOD

Electrical Engineering

THE year 1936 is going to be an auspicious year in Cooper Union. Why? Because this year's Electrical Engineering class claim that they are all going to graduate in that year?????

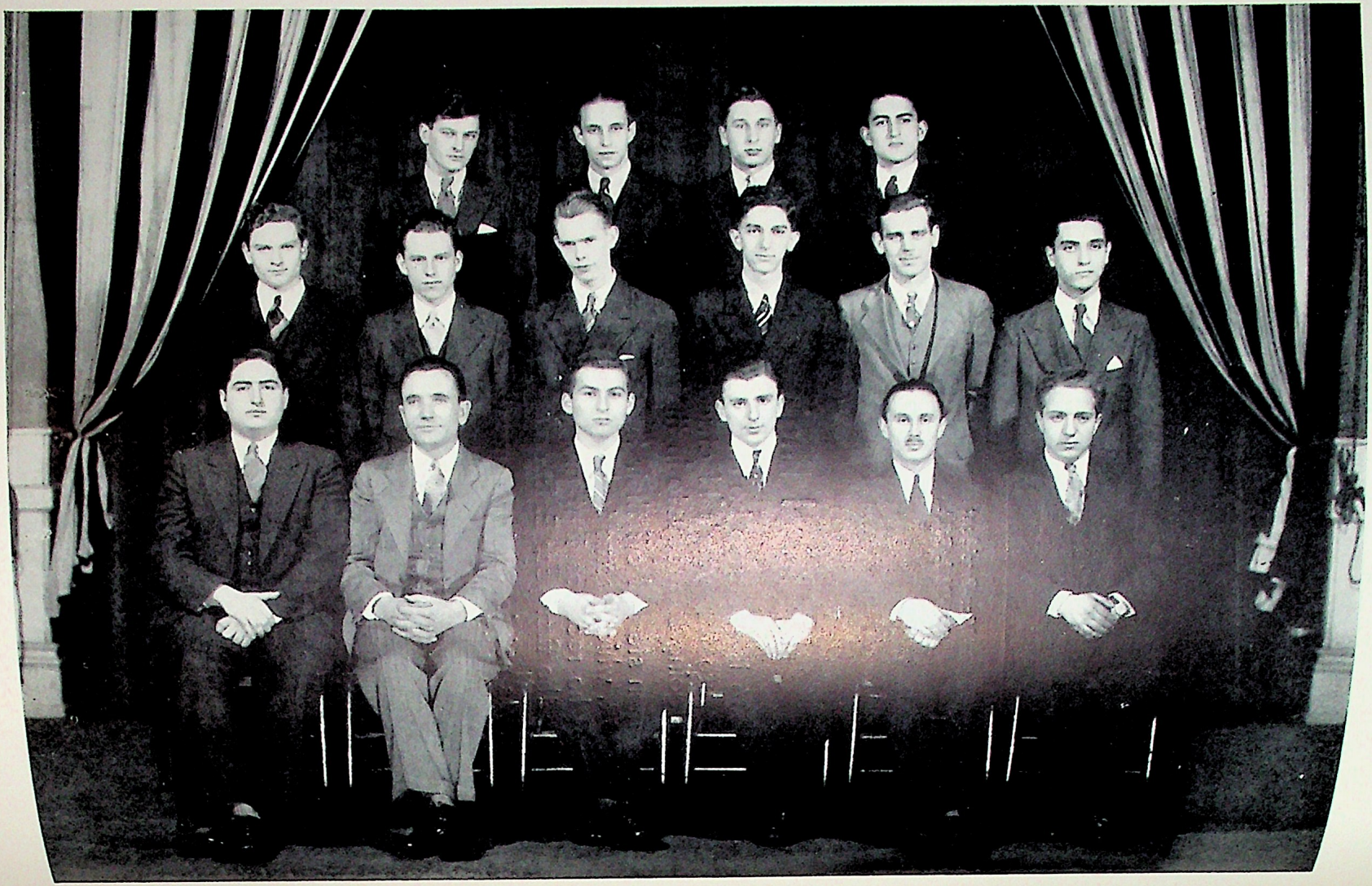
The E. E. men started off their first year with the well-known PEP, VIM and VIGOR, which seems to be injected into every Cooper Union man as soon as he receives that pleasant little card which says, "You are admitted to the first year E. E. course, please report . . . etc."

The class was not in session a month before it was organized and a bank account established. The Pioneer and CABLE were subscribed to by many.

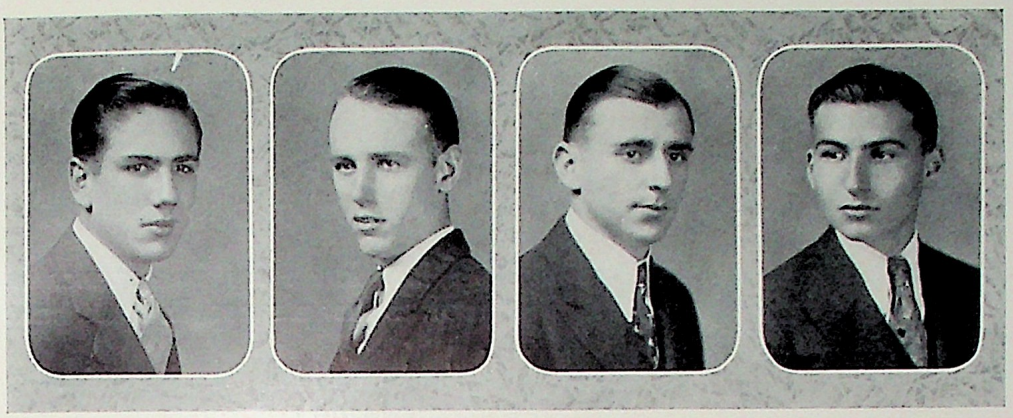
During the year many affairs were attended by the men, notably a show and dinner party in February. A few of our men took part in athletic events and did quite well in all branches.

And now, at the end of our first year, we wish to take this opportunity to thank all of our instructors and professors for their kind assistance in making it possible for us to weather the first year of college work and to return again in September.

THE HISTORIAN.



CHEMICAL ENGINEERING



President	Vice-President	Secretary	Treasurer
BERTIL G. PETERSON	JOHN A. LINDNER	DAVID TCATCH	HARRY SIMONS

Chemical Engineering

Dere Edt,

Yur welcum desir that i get up a histre fore the nobel and so effecsionaight kem clas of '36, cum to my hand just a fu minnuts ego. I wunder if U evur halt to think wot kind of onur yur bestoing on mi, a pure, unnoing frosh? But yur desir burings mi kuridge to due the plezurable and unthankible tasqe; thairfor, the abuve and bilow.

On the won hand, it is veri difakult to explane just how wi cum to happin to bi hear in Kooper; maybi won of them snaik charmurs as sit on a gras rug, wairing a diapur, with thair laigs all twisted up under them, smoking a dope pype noes the ansur to that; but as i am saing, ar clas histre is sumthing lik the sun; U no, its awful big but wen U luk at it U aint abul to purceive it at all. Suphice it to saye that wi ar a gud clas. Wi bawt a lot of KAYBULS, wi paye ar clas doos if its the onli wae out and moste of us gets stuk evri weak with the pyonir.

On dimand, wi elekted fore offissurs (rifur to the komik kuts abuv). Being a peice-luving clas, wi shyed at elekting a treshurer, but it is the kustom to have won so wi got won. And wur wi sorri! He kept won i on the kamra and the other i on a gerl; the rezult was swel but not phit for publikashun so wi ar going to have ar group pikchure retaken. Wi ar going to hav an aphaire but rit now U no more abowt it than i due. Gi! Edt, if U onli nu as much abowt this clas as i due, i imajin U wud rite a buk and, thairbuy, urn a vury respektable fourtune.

Wel Edt, i sappose i hav ritten evrithing on the subjeckt so i ges i wil clothes.

Respektively forwooded and effecsionaightly yours,

THE HYSTORYAN.

Things You Never Knew Till Now About Cooper Union

(Continued from page 214)

case of an emergency it was less dangerous going up to an exit than going down to one.

That the Large Hall was also the first forum for free speech in America. If it had been built on the roof, as first planned, it would have been the first roof garden in the city.

That at the start of his speech in the Large Hall, Abraham Lincoln, then campaigning for President, was greeted with a storm of hisses and cat-calls that kept him dumb for several minutes. However, at the close of his lecture the entire audience swept forward to compliment him and shake his hand.

That it was in this same hall that plans were first laid for the overthrow of the notorious Tweed Ring.

That the first iron beam ever used in building construction is located in Room Two of the Foundation Building. It was once considered a skyscraper and next to the City Hall and one or two churches, was the tallest building in New York City.

That the late Thomas Snell, one of the trustees and a famous painter, painted the first of the iron beams with his own hands.

That Cooper Union stands for the Union of Science and Art.

That the cornerstone of Cooper Union was laid with appropriate ceremonies attended by the Mayor of New York and other City notables in February, 1853.

That the people of New York, especially those opposed to new ideas, called this building "Peter Cooper's Swindle." This was due to the fact that it housed business offices. However, when crowds of students began to come and go, public sentiment took a complete change.

That during the severe economic depression of 1857, while Cooper Union was in the course of construction, Peter Cooper went on with the work at a great financial risk.

That during this time Peter Cooper kept on his desk a stack of half dollars, one of which he was always ready to give to any hungry man who applied.

That the plan for the provision of an elevator (this was in 1856, before elevators were invented) is in the Students and Graduates Room.

That the first tower clock in New York City is on the Seventh street side of the Foundation Building. It was installed and is still being serviced by the E. Howard Clock Company.

(Continued on page 302)

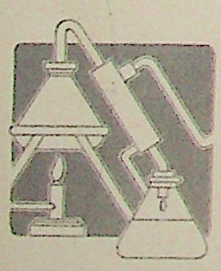
BOOK THREE

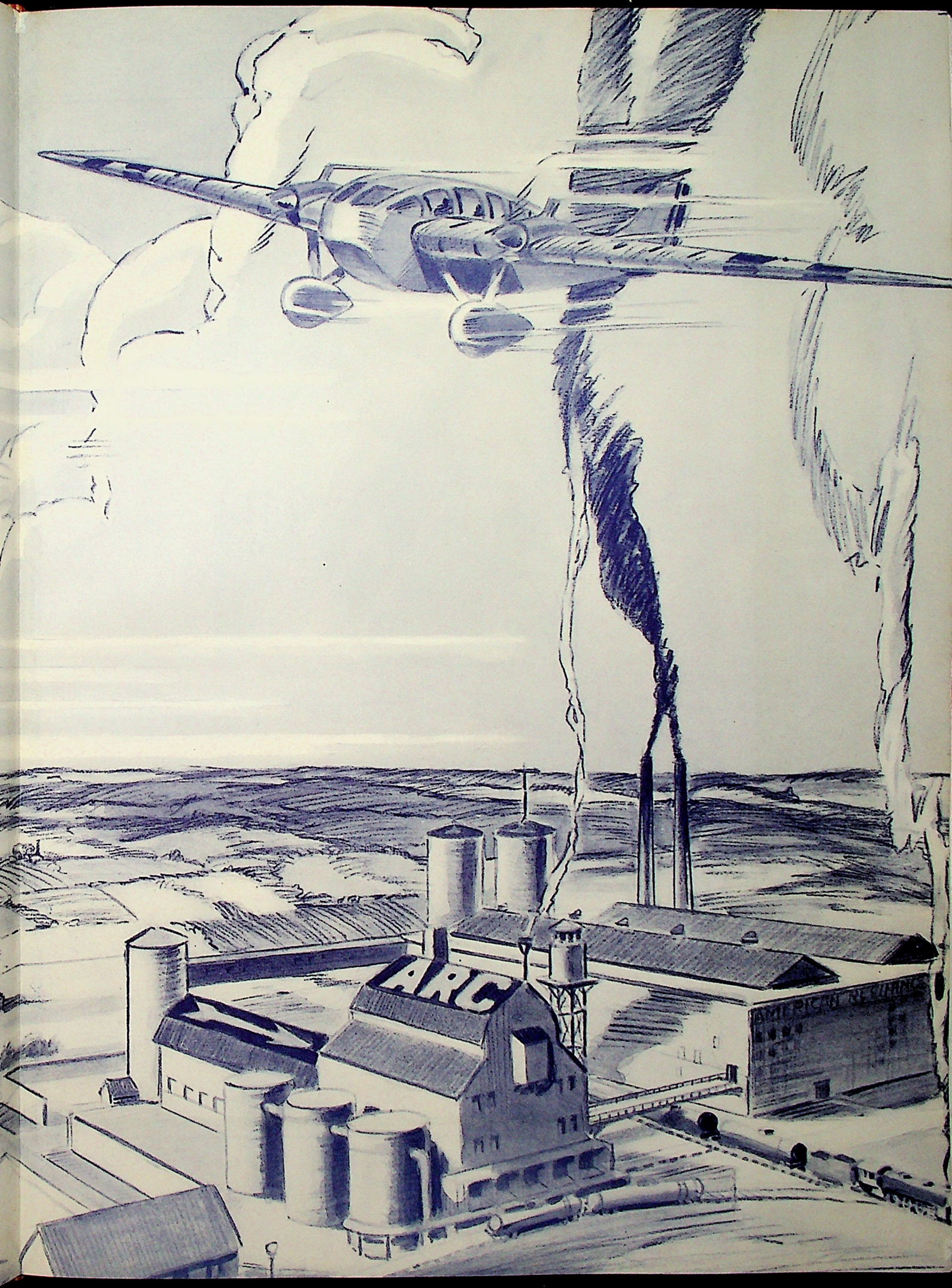
1932

ORGANIZATIONS

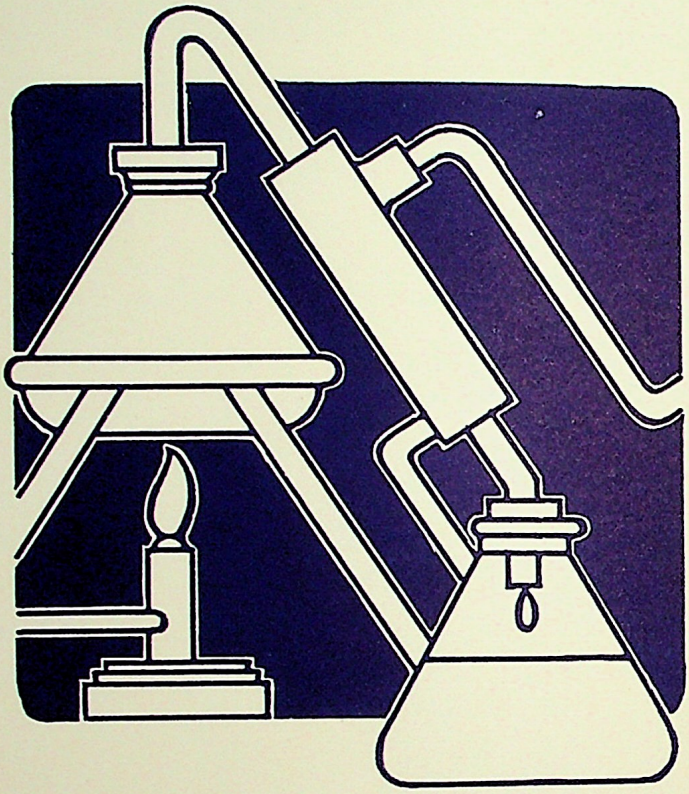
AMONG the many contributions by chemical engineers to the construction of aircraft are the development and manufacture of the light, strong alloys of aluminum and magnesium, and of cellulose lacquers or "dopes." Toward reliable operation, chemical engineers in the petroleum industry have contributed highly refined lubricants, and fuels having the best possible characteristics when used under widely varying weather conditions. In lighter-than-air craft, in addition to supplying light, strong alloys, chemical engineers have developed effective processes for the production of helium from certain natural gas sources containing this element. Chemical engineering has been one of the greatest agencies in promoting aeronautical progress, and many of the problems and obstacles could hardly have been overcome without the active co-operation of chemical engineers.

Albert B. Newman




ARC

CABLE



Ex Post Facto

1933

JOHN T. CARROLL
Chairman

Edward D. Badey
John J. Carroll
Angelo Casulli
Vincent G. Cooke
John J. Ficker
Martin Greenspan
Sterling T. Gustavson
Herbert I. Harris
David Mesnik
Lawrence R. Oswald
Henry J. Queen
Elias Rubinson
Frank Spinetta

1932

Ernest S. Lundie
Chairman
Jeremiah A. Musilek

1931

George A. Crowther
Chairman
James W. Philips

1930

Joseph F. Fody
Chairman
Sven E. Stromberg

1929

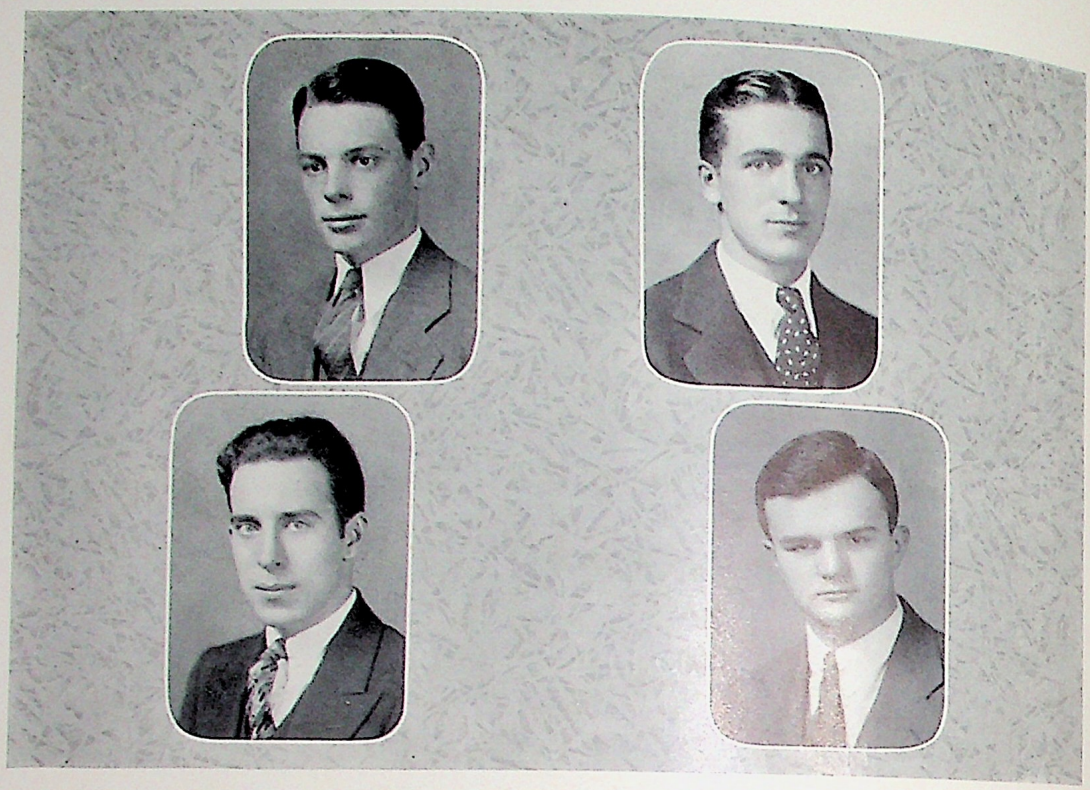
Chester E. Voorhis
Chairman
Herbert Laber

1928

Eugene W. Brass
Chairman
Alexander Johnson

1927

Frank G. Cosmen
Chairman
John J. Gemmelli



American Society of Mechanical Engineers

STUDENT BRANCH

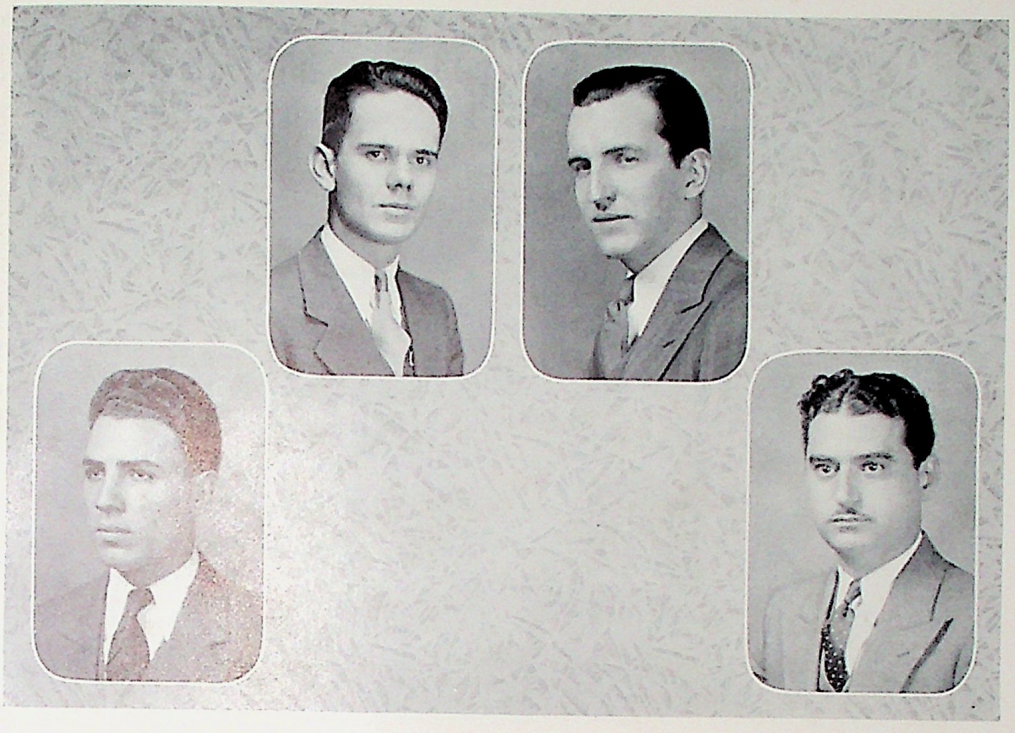
Chairman
WILLARD T. EDDY, JR.

Vice-Chairman
CHARLES E. LUFFMAN

Treasurer
LESTER E. BAUSER

Secretary
JAMES S. LOCKE

THE student branch started the year with two prominent engineers as speakers for meetings in November and December. Mr. George D. Orrok, who is an authority in the power field, showed the development of the high pressure power plant. Mr. L. P. Alford presented an excellent talk on general plant management. In January a trip was made to the Hudson Avenue Plant of the Brooklyn Edison Company which was followed by a talk on incremental loading by Mr. Skrotsky, who is a Cooper Union graduate.



American Society of Civil Engineers

STUDENT BRANCH

Chairman
WILLIAM J. O'DONNELL

Vice-Chairman
HUGH C. WILSON

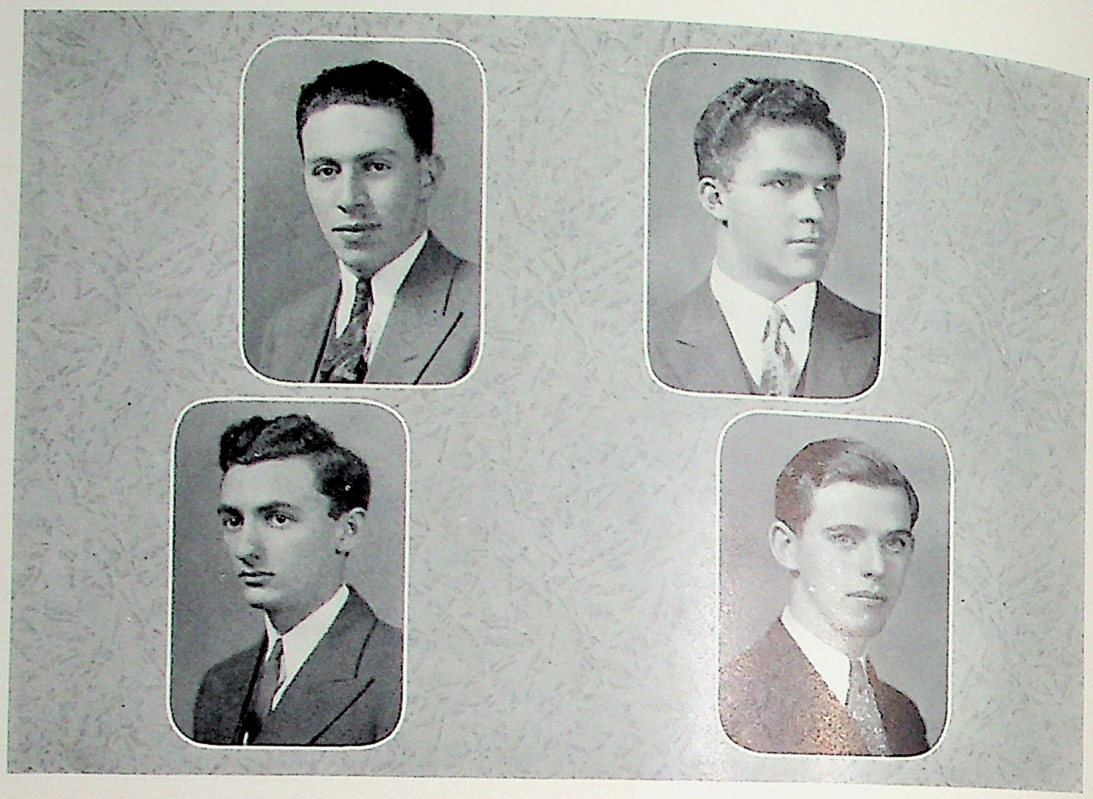
Secretary
ANTHONY A. CARBONE

Treasurer
VINCENT S. MORANO

DURING the existence of the Cooper Union Student Branch of the A.S.C.E., many prominent engineers and executives have presented topics of interest to the Cooperites to further inspire them to greater heights.

The first paper of the year was on the Florianopolis Bridge, presented by Mr. J. J. Lanigan. This paper was of unusual interest since it incorporated a few novel features of constructions, never before used on as large a scale as on the Construction of the Florianopolis Bridge.

For the next meeting, we had Mr. Robert Ridgway, Chief Engineer of the Board of Transportation, who gave an address on the Boulder Dam Development. The Annual Convention of A.S.C.E. took place in January, having been eagerly anticipated by the upper classmen since it marked the start of the busiest and most interesting part of the society's season.



American Institute of Electrical Engineers

STUDENT BRANCH

Chairman
AUGUST B. MUNDEL

Vice-Chairman
HERMAN V. COTTONY

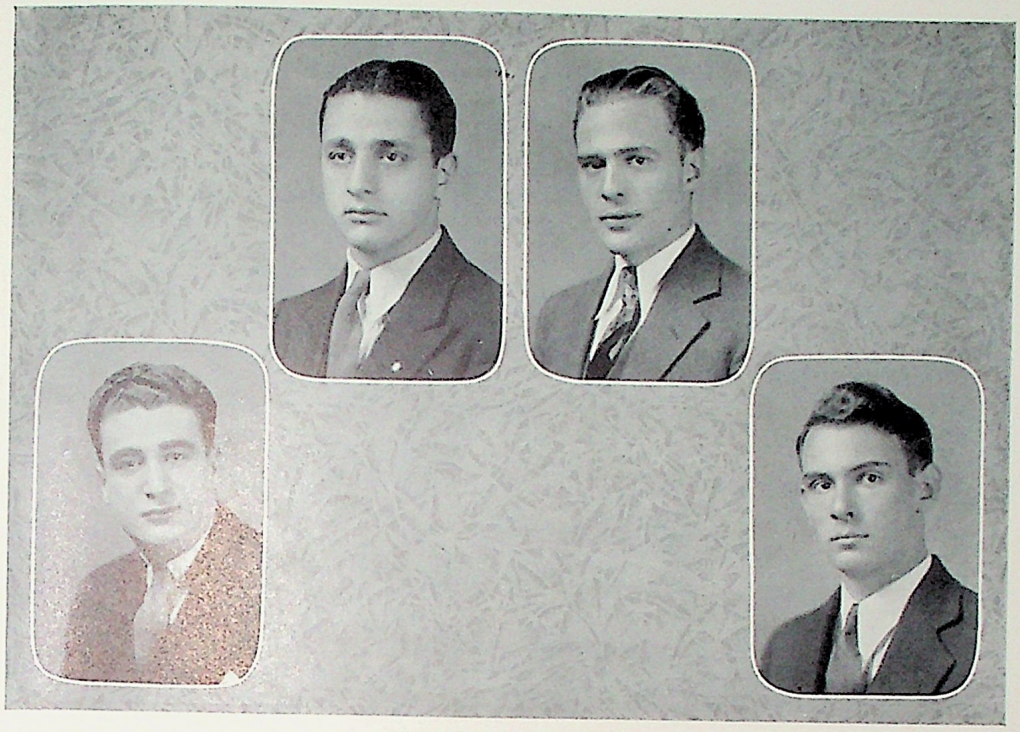
Secretary
EDMUND SARVER

Treasurer
RICHARD A. WYLIE

UNDER the benevolent, but not pragmatic, interest of the Department of Electrical Engineering, the branch is widening the scope of subject matter presented at its meetings.

Topics, not of purely technical interest, will be increasingly presented, although problems and papers of an electrical nature will not be so neglected as to become minor in either nature or quantity.

Emphasis is placed on student development and expansion by encouragement of student papers. The experience gained from the verbal presentation of his ideas will be beneficial to the future engineer in inducing mental and physical poise before an audience. This will prove a valuable asset later in both his professional and social activity.



American Institute of Chemical Engineers

STUDENT BRANCH

Chairman
MARTE PREVITI

Vice-Chairman
LOUIS D. GOLDFINGER

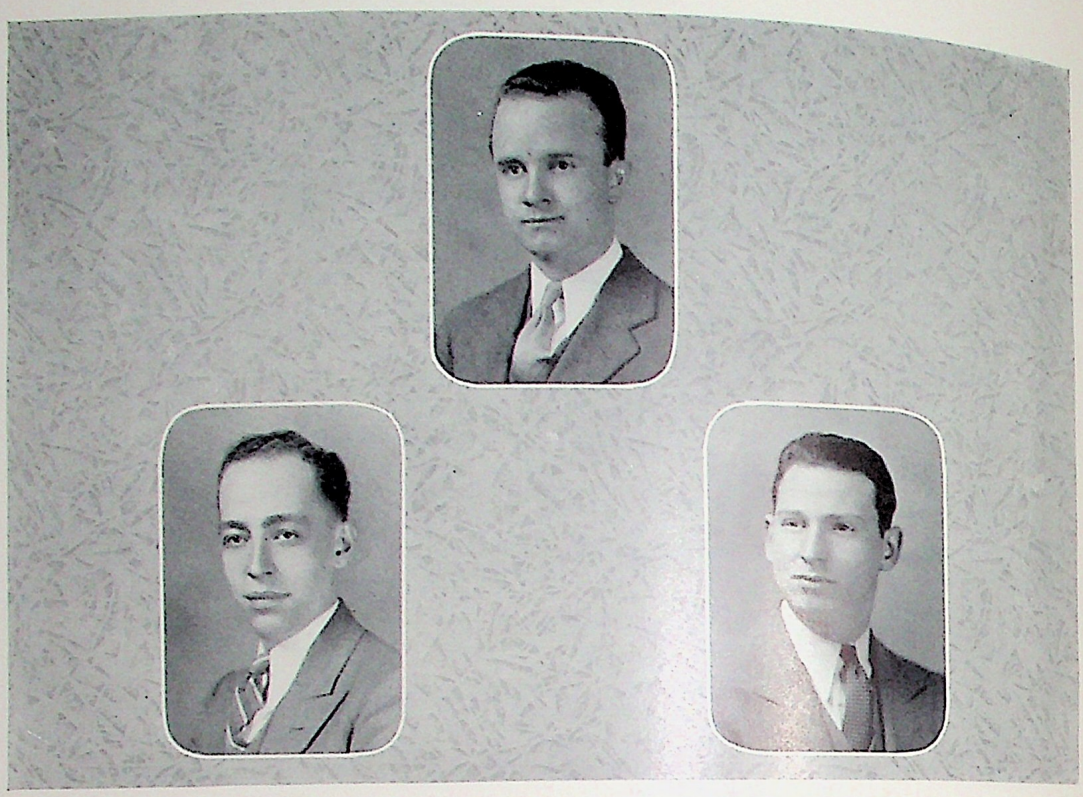
Secretary
CHARLES J. MORRELLO

Treasurer
HENRY E. DUTOT

JUDGING by the attendance at the first meeting of the year, at which Mr. Albert Marshall spoke, the student chapter is becoming quite popular.

On December 23rd, the Chapter sponsored an exhibition and demonstration of new apparatus in the Chemical Engineering Laboratories. Professor Newman and Mr. Coull gave short talks to the Freshman class on the status of the Chemical Engineering graduate. A motion picture was also shown.

Later in the year, the A.I.Ch.E. is to award a prize to the Chemical Engineering student who has the best record in his sophomore year.



Mathematical Society

NIGHT SCHOOL OF ENGINEERING

President
JOHN T. JACKMAN, JR.

Vice-President
HERBERT I. HARRIS

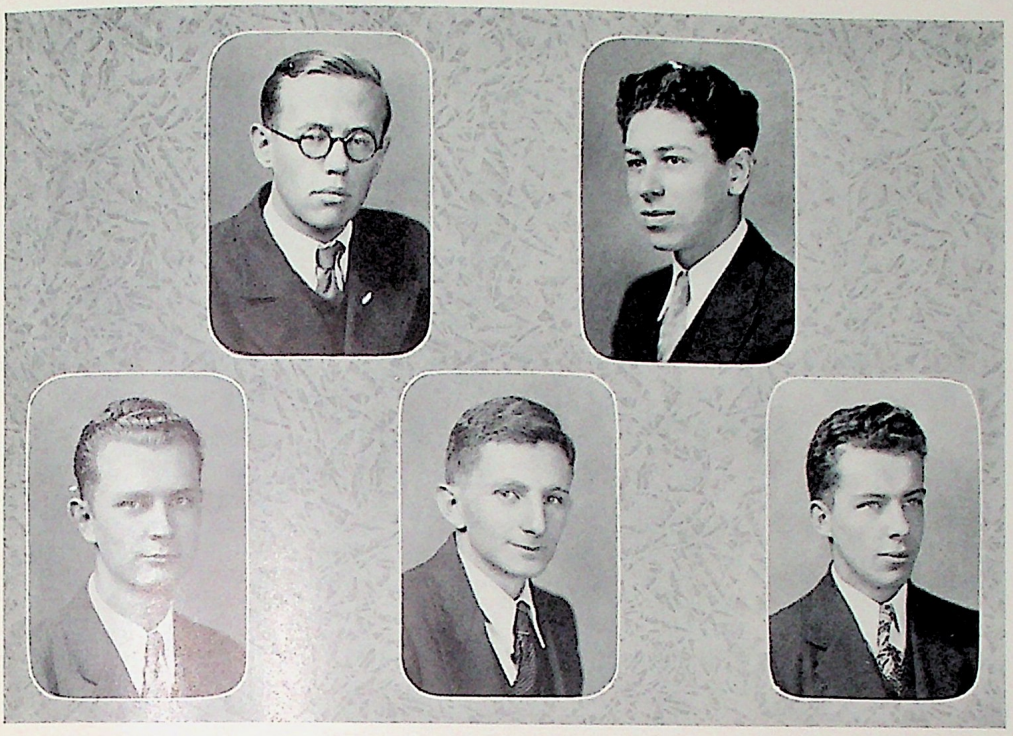
Secretary-Treasurer
LEON EPSTEIN

Faculty Adviser
LESTER A. KENWORTHY, B.S.

THE Mathematical Society of the Night School of Engineering was organized five years ago as a society for the advancement of the study of mathematics at Cooper Union. It has been the aim of this club to present mathematics in such a way as to create, in the minds of its members, an entirely new conception of the science; to make it more appealing and to instill in them a deeper interest in the whole study of mathematics.

Some of the topics covered in the past year were "The Theory of the Slide Rule," "The Russian Peasant System of Multiplication," "Harmonic Ratios" and "Integral Right Triangle."

The progress of the club this year has been highly satisfactory. A number of new members have been enrolled and the prospects for continued success next year are unusually bright.



Mathematical Society

INSTITUTE OF TECHNOLOGY

President
GENNADY M. KOSOLAPOFF

Vice-President
WILLIAM W. RIGROD

Secretary
CARL H. KROPP

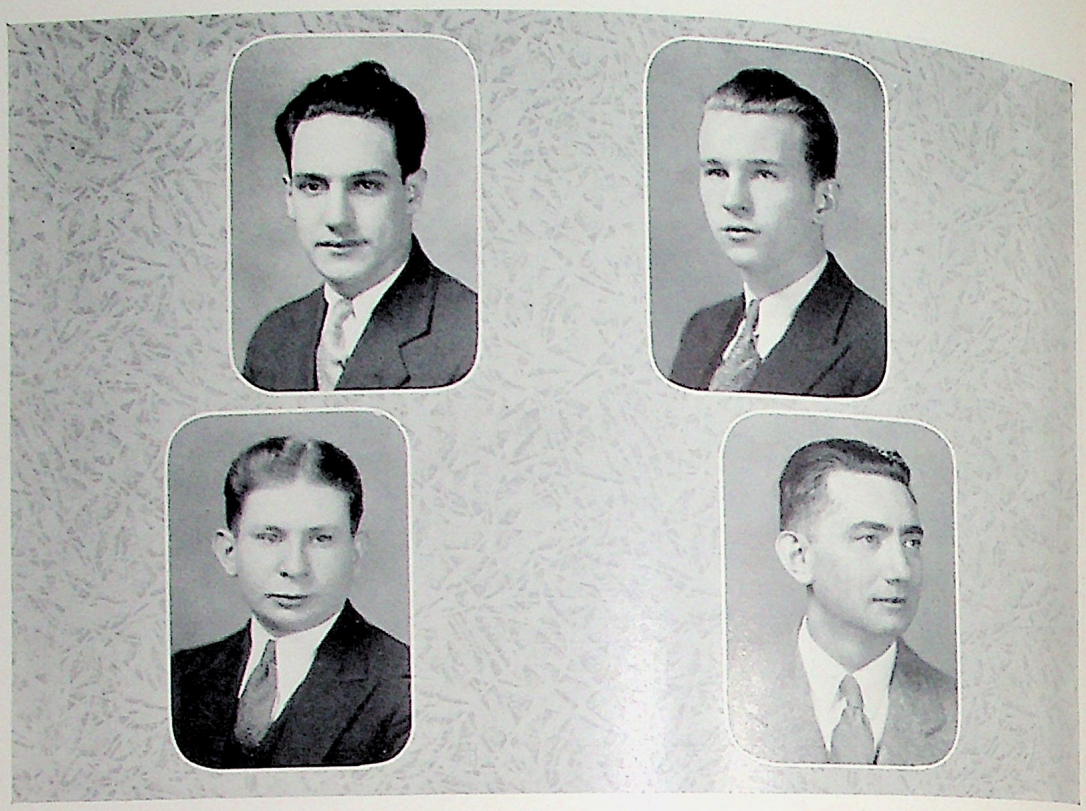
Assistant Secretary
JOSEPH WATKINS

Treasurer
EDWARD H. RYAN

THE Math Club had a very successful and progressive year. A new record for student membership was set, for, out of 260 students enrolled, 218 or 83 per cent were members of the Club. More significant than this, however, as a sign of student interest, was the increased attendance at all meetings.

Following are some of the meetings held during the school year 1931-1932:

Nov. 9, 1931—"Generalization in Mathematics" by Dr. T. S. Fiske, Columbia Univ.
Nov. 24, 1931—"Higher Plane Curves" by Mr. J. F. Skelly, '34.
Dec. 15, 1931—"Theory and Use of the Slide Rule" by Mr. E. A. Drago, '32.
Jan. 12, 1932—"Non-Euclidean Geometry" by Mr. M. Rubinsky, '34.
Jan. 26, 1932—"The Mathematics of Lens Surfaces" by Mr. A. M. Ginsberg, '32.
Feb. 9, 1932—"Systems of Coordinate" by Mr. K. Itkin, '34.



Cooper Union Chemical Society

President
W. LA ROSA

Vice-President
L. A. KENWORTHY

Secretary
J. R. GILBERT

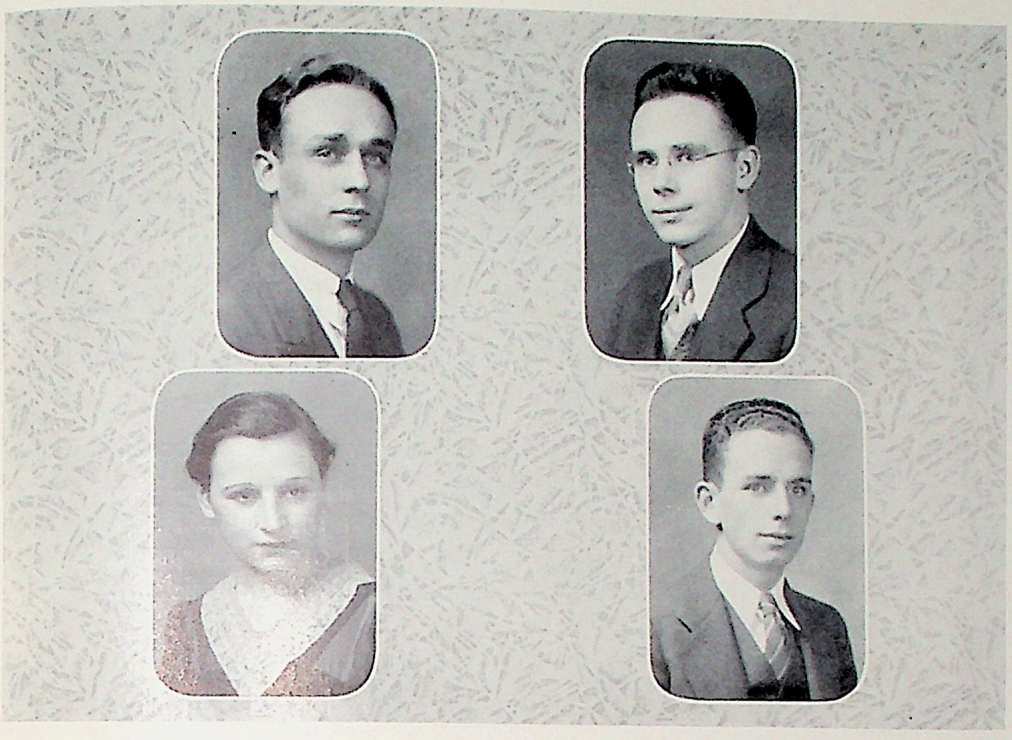
Treasurer
L. C. GREENHAUS

Members of Executive Committee

N. BULOS J. CRANE J. LAUGHLIN

THE Society was founded in 1893 by a small group of earnest and enthusiastic students of the chemistry course, for the purpose of extending their knowledge of the science by arranging for lectures by men qualified to speak on special subjects and by holding meetings, at which members presented papers on their own work for general discussion. As time passed, the graduates kept up active work and the Society became a means for alumni and students of the last two years of the chemistry course to keep in touch with each other.

Membership is open to those interested in the science of chemistry, whether associated with Cooper Union or not, and active membership, including privilege to vote and hold office, is reserved for graduates of the Chemistry Course, or Course in Chemical Engineering, either of the Institute of Technology or the Night School of Engineering.



The Newman Club

President
CASIMIR CIESIELSKI

Vice-President
J. GORDON KEARNEY

Corresponding Secretary
CONSTANCE GRASSI

Treasurer
FRANCIS J. COSTELLO

Recording Secretary
LOUISE DEL ROSSI

Chaplain
REV. JOHN J. CORLEY

Lecturer
REYMOND J. LEARY

Faculty Adviser
FRANCIS P. CAREY

FOR nine years, since its organization, the Newman Club ranked and continues to rank among the leading student societies of all the schools of the Cooper Union. Its purpose is to promote the spiritual welfare of Catholic students, to further the interests of its members, and to perpetuate the friendships formed by them during their college life.

The past year marked a period of singular success in furthering the purpose of the club. The spiritual advancement of the club was under the able guidance of the Chaplain. Interesting and educational gatherings were held regularly at Newman Hall and an attractive social program served to weld the members together into a friendly and harmonious group.

The outstanding events of the year were the club's Corporate Communion and Breakfast, and the New York Province Convention, at which the club took a very active part.

The Alumni Federation of Cooper Union

President
R. C. COFFIN, '10, '14

First Vice-President
H. D. WILLIAMS, '85

Second Vice-President
W. H. WAGNER, '03

Third Vice-President
WILFRED A. MILLER, '03

Secretary
G. F. BATEMAN, '07

Treasurer
A. HILBERT, '98, '01

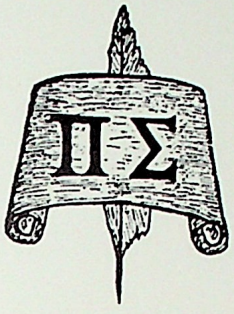
JUST prior to the World War, recognition of the need for an agency to promote closer relationships between the alumni organizations of the various schools resulted in the origin of the Alumni Federation. The merging of the interests of each individual organization under one large unit created a means of fulfilling alumni activities outside the scope of each separate department.

The Federation, at present, consists of four representatives from each school or department, two of whom are elected annually, by the Alumni organization of each school. There is no such thing as individual membership in the Federation. Its only members are the participating alumni bodies, individual memberships being in them only. The Federation, therefore, strongly urges each student, upon graduation, to affiliate himself with the alumni association of his particular school and so keep in touch with the general alumni matters by virtue of the membership of that organization in the Federation.

The financial requirements of the Federation are met by assessments against the participating alumni bodies in accordance with their active membership, and are based on an annual budget submitted for their approval.

The list of activities of the Federation includes the Alumni Dinner; the suitable celebration of Founder's Day; the decoration of Peter Cooper's Statue in Cooper Square on Founder's Day; the decoration of the Cooper graves in Greenwood Cemetery on Memorial Day each year; the maintenance of employment service for the students and graduates; the gathering of friends for various purposes connected with the Union, notably to match the Rockefeller Foundation gifts, etc., and generally speaking, any matter which concerns more than one Alumni organization of Cooper Union at large.

Pi Sigma



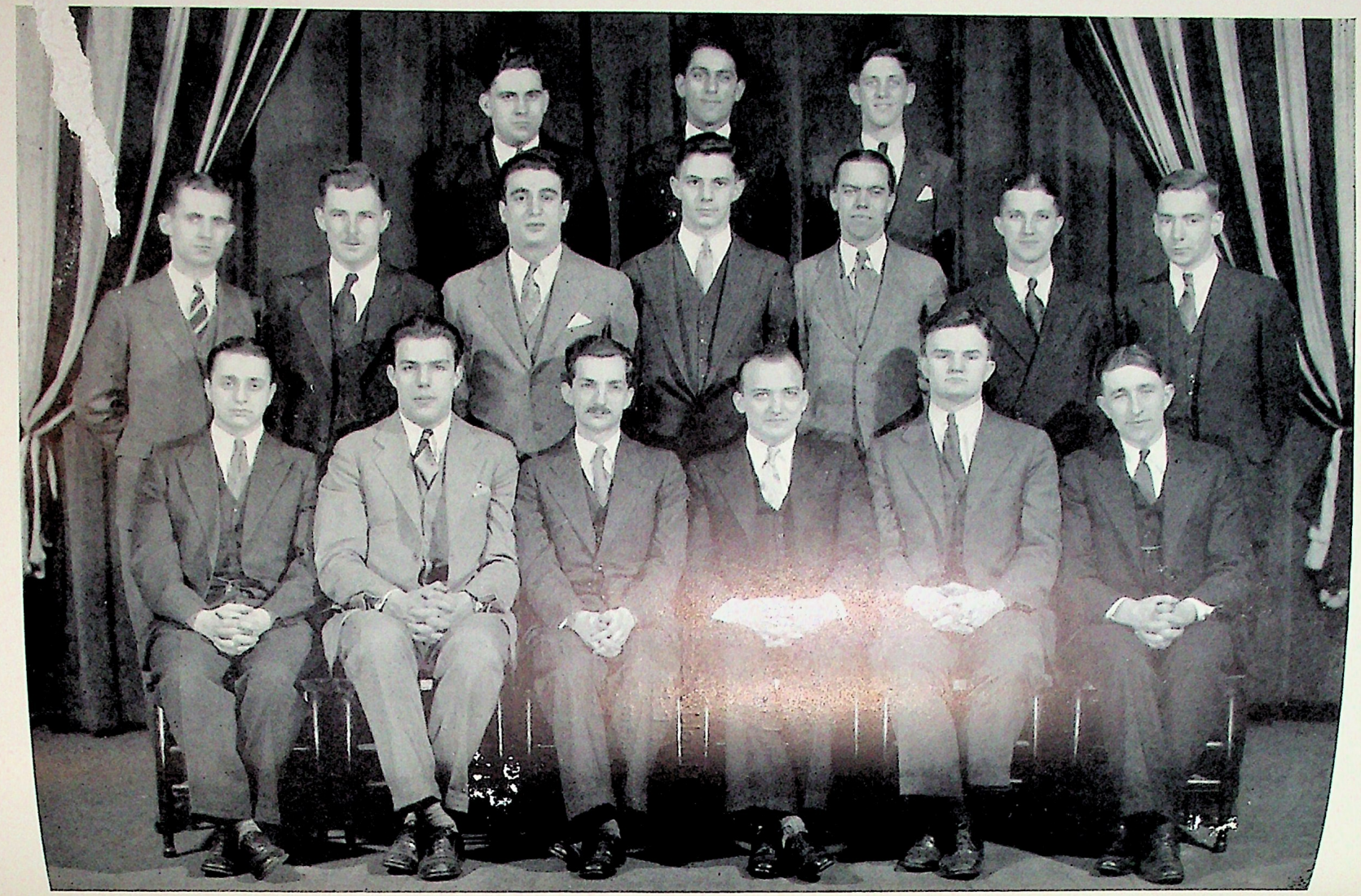
Chairman
LEONARD P. GOLOS

Vice-Chairman
JOSEPH F. SKELLY

Secretary-Treasurer
JACK BALIFF

Harold Albert
Jack Baliff
William Battista
Myra Beseler
Henry E. Brenner
John T. Carroll
Casimir Ciesielski
Herman V. Cottony
Jack B. DeCoste
William Haratonik
Helen Henschel
Felix A. Inslerman
Kaskel Kallman
Agnes Karlin
Eugene A. Kelly
Joseph A. Korany
Harris D. LeVine
Fred Muhlstaff
May Murray
George C. Neuschaefer
William J. O'Donnell
Mathew J. Rosenstock
Gilbert K. Sanders
George V. Sikofsky
Robert Silverman
Joseph F. Skelly
Stanley T. Slezak
Dorothea C. Smith
Edward I. Sternlieb
George Terry

Three years have passed since the origin of the Pi Sigma Fraternity. This Society consists of members who have given two years of service to the Pioneer. The coming Annual Affair is expected to be as great a success as last year's, which was held at the Actor's Inn.



STUDENTS COUNCIL, NIGHT SCHOOLS OF *SCIENCE*

Students Council

Night Schools of Science

President
STANLEY T. SLEZAK

Vice-President
KASKEL KALLMAN

Secretary
JAMES S. LOCKE

Treasurer
ARTHUR O. PLOETZ

Charles C. Duffy
Joseph J. Fitzgerald
Eugene A. Kelly
Chester R. McIver
Charles J. Morrello
Alfred J. Munn
George W. O'Brien
Bertil G. Peterson
Marte Previti
William S. Quick
William Van Rosenbergh
Charles F. Stewart

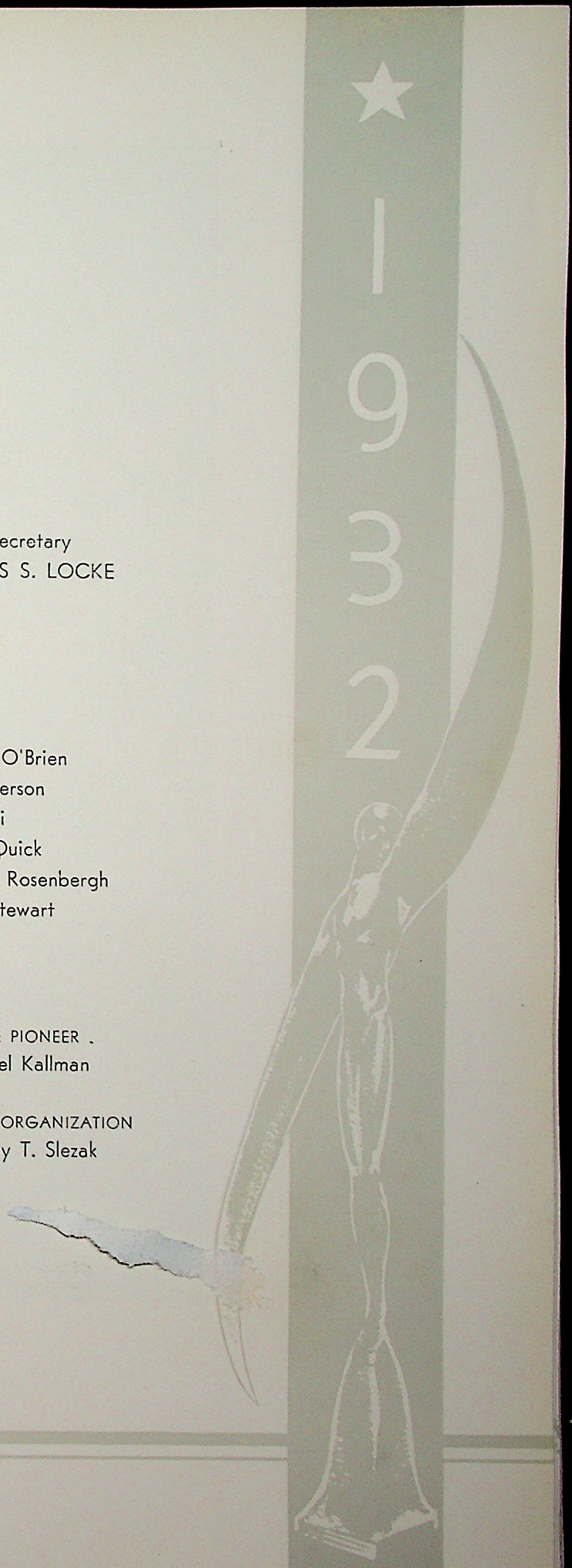
George Tuscher

THE 1932 CABLE
Elias A. Rubinson

THE PIONEER
Kaskel Kallman

ENGINEERING SOCIETIES
Edwin A. Kuenzler

ATHLETIC ORGANIZATION
Stanley T. Slezak



STUDENTS COUNCIL, INSTITUTE OF TECHNOLOGY

Students Council

Institute of Technology

President
WILLIAM J. O'DONNELL

Vice-President
EDWARD H. RYAN

Senior Executive
WILLARD T. EDDY, JR.

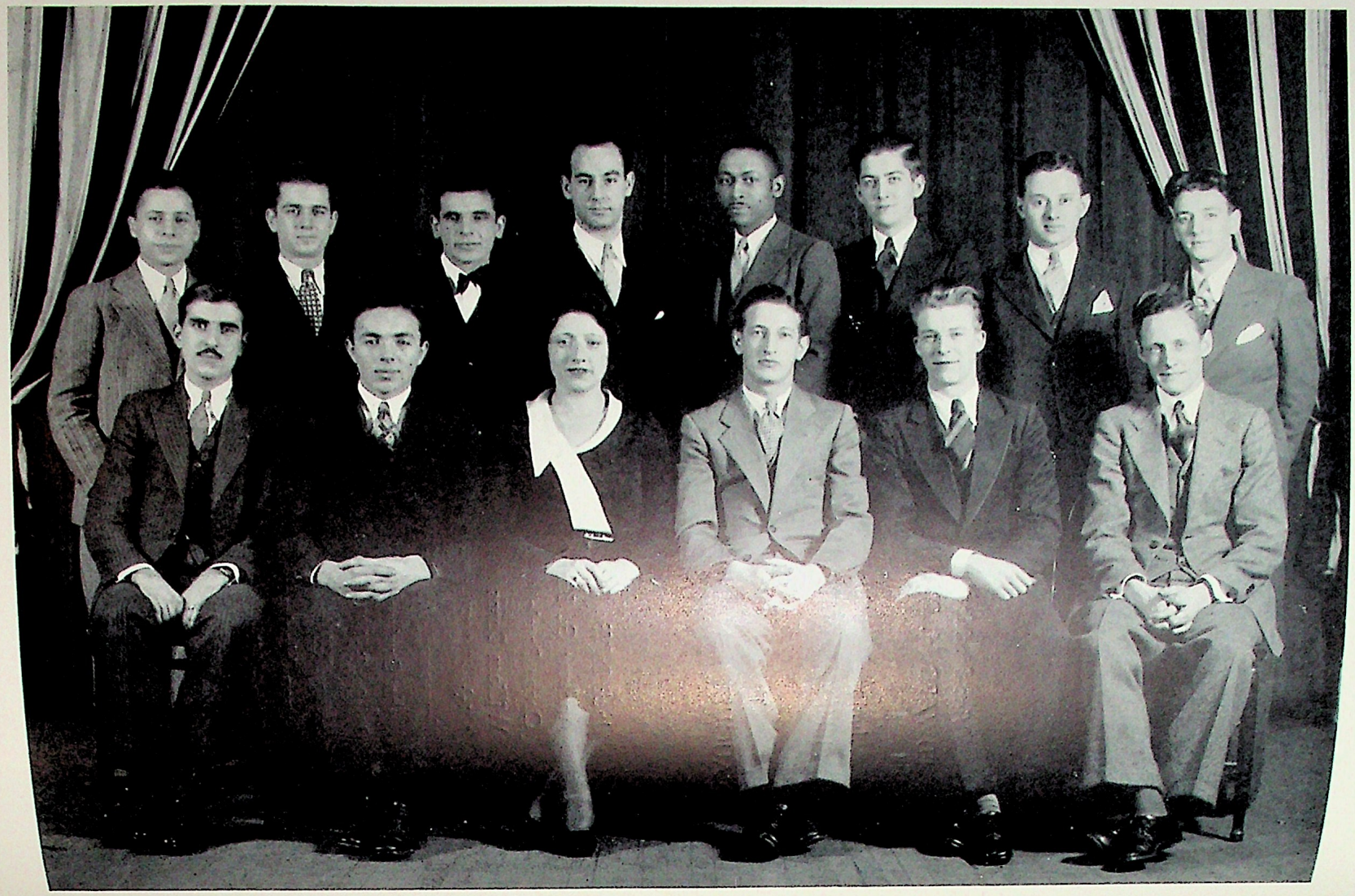
Junior Executive
HENRY E. DUTOT

Secretary
JOSEPH F. SKELLY

Treasurer
AUGUST B. MUNDEL

Corresponding Secretary
D. WIRTH JACKSON

Jack Baliff
Andrew G. Barry
Oscar Bessio
William Burns
Michael D'Elia
Emmanuel A. Drago
John Drutman
Louis Goldfinger
Harry Gluck
Byron Hartman
Edgar Hinton
Anthony Iannone
Harry Klug
Carl Kropp
Charles Lagreco
John J. Lanigan
John Levy
Sidney Levy
Thomas McGuinness
Clifford Mily
Charles Molloy
Albert Nerkin
George Neuschaefer
Benjamin Oill
Morris Schneiderman
Saul Shilitz
Morris Slamowitz
Richard Wiley
Samuel Zeitzoff



STUDENTS COUNCIL, SCHOOL OF *ARCHITECTURE*

Students Council

School of Architecture

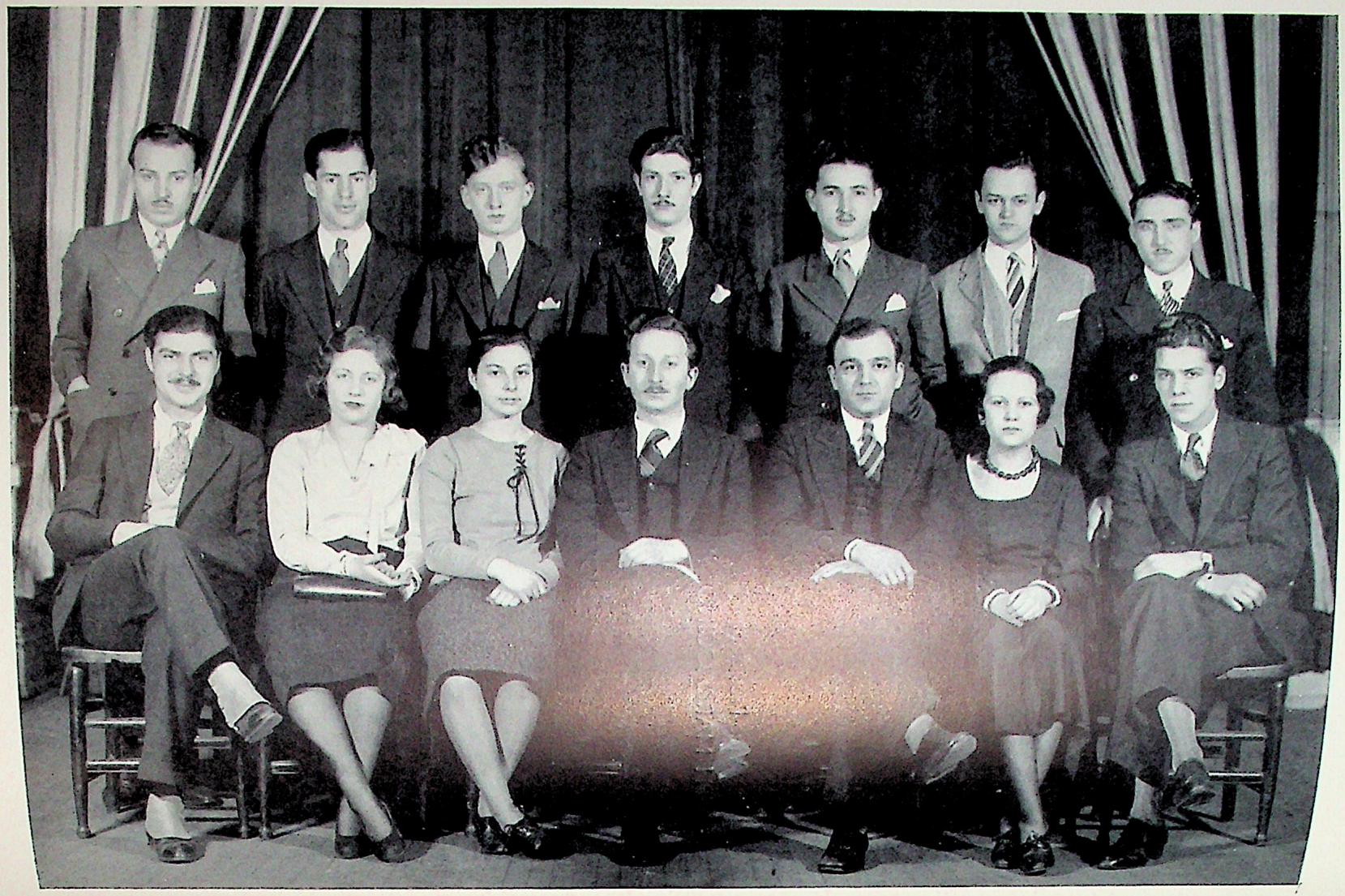
President
SOL. STRASSLER

Vice-President
JOSEPH MARRACCINO, JR.

Secretary
REVA SEGALL

Treasurer
JOSEPH M. BOCCIO

George G. Berlow
Frank Brown
George Brown
Michael J. Carollo
George D. Dickson
Abraham I. Kirschenbaum
Edwin McGrath
Elias H. Reif
Wilbur Seidel
Frederick M. Sheffield
George T. Taylor
William H. Willis



STUDENTS COUNCIL, *SCHOOL OF ART*

Students Council

Night Art School

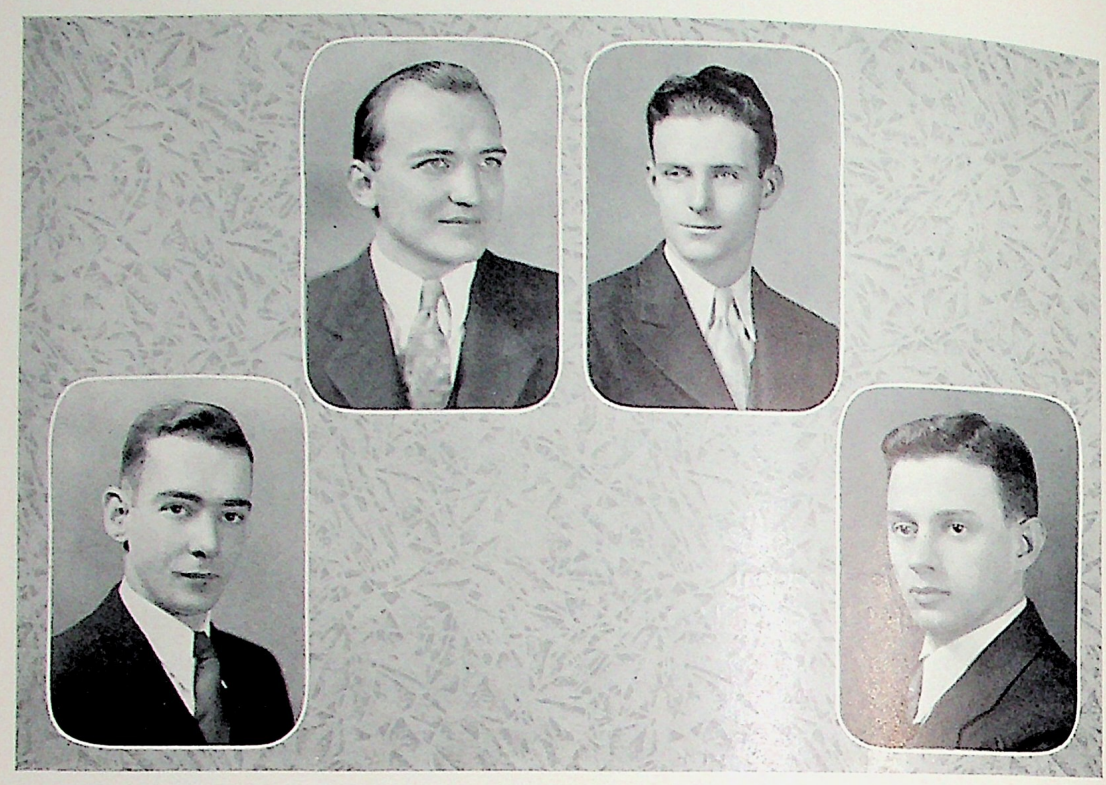
President
PAUL L. SIEDMAN

Vice-President
JOSEPH P. CAPPELLO

Secretary
JOHN BORNMAN

Treasurer
GERTRUDE SILVERMAN

A. Alberts
F. Aurbach
D. Brizzi
Miss Brooks
B. Bruce
J. Caristia
Miss Cohen
M. Dodes
B. Dworetsky
I. Friedman
R. Giglio
L. Goren
E. Hannan
R. Josephson
A. Kayrukstis
A. Marte
B. Mehlman
F. Miller
F. Nicosia
L. Portanova
H. Reifield
E. Ruggiano
G. Ruotola
J. Steinberg
Miss Sweeten
W. Thiem



Athletic Organization

Night School of Science and Art

President
STANLEY T. SLEZAK

Vice-President
JOHN T. CARROLL

Treasurer
GEORGE W. O'BRIEN

Secretary
LEONARD P. GOLOS

TEAM MANAGERS

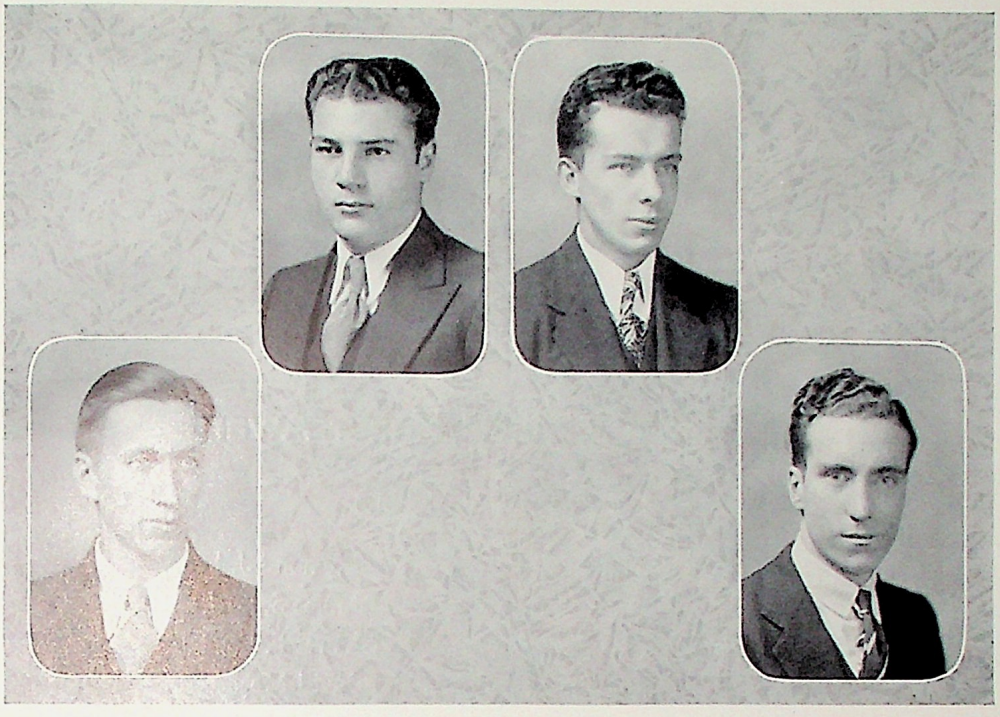
Track
EMMET G. HAPP

Football
ALFRED A. ANASTASIO

Basketball
STANLEY T. SLEZAK

Tennis
JOSEPH A. KORANY

Handball
ELIAS H. REIF



Athletic Association

Institute of Technology

President
GEORGE SHEMIN

Vice-President
EDWARD H. RYAN

Secretary
EDWARD I. STERNLIEB

Treasurer
JOHN J. LANIGAN

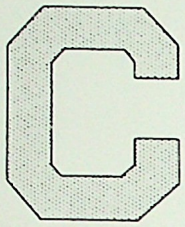
TEAM MANAGERS

Basketball
WILLARD T. EDDY

Rifle
THEODORE KALISHER

Baseball
EMANUEL A. DRAGO

Gold

19  32

Student Council Honor Award

NIGHT SCHOOLS

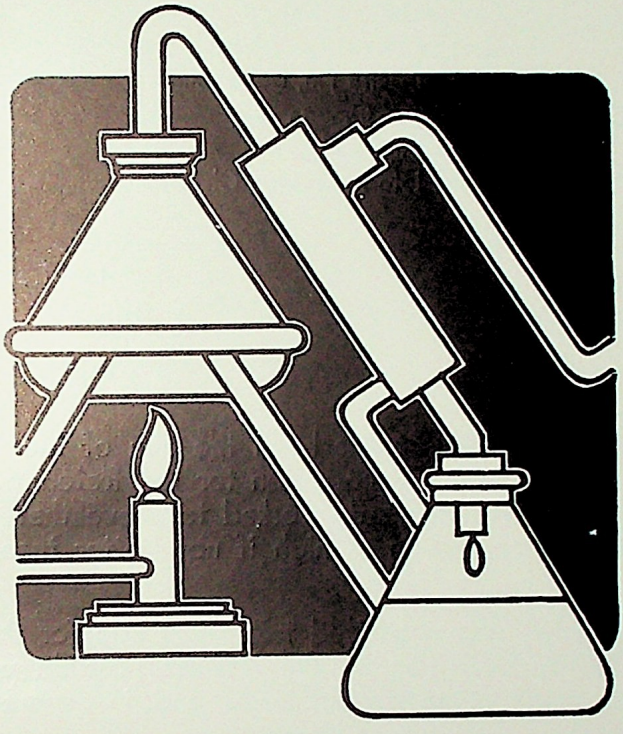
John F. Bateman
Joseph M. Boccio
William C. Brass
John J. Carroll
Angelo Casulli
Vincent G. Cooke
John J. Ficker
Joseph J. Fitzgerald
Leonard P. Golos
Sterling T. Gustavson
Herbert I. Harris
John T. Jackman
Eugene A. Kelly
Joseph A. Korany
Edwin A. Kuenzler
Raymond J. Leary
James S. Locke
James E. Loughlin
David Mesnik
Vincent S. Morano
Charles J. Morrello
George W. O'Brien
Lawrence R. Oswald
Arthur O. Ploetz
Elias A. Rubinson
Reva Segall
Frederick M. Sheffield
Frank Spinetta
Charles F. Stewart
Sol Strassler

SECOND AWARD

Edward D. Badey
John T. Carroll
Marte Previti
Stanley T. Slezak

TECH.

Edgar D. Hinton
August B. Mundel
Edward H. Ryan



THE FRATERNITIES

The Interfraternity Committee

Alpha Mu Sigma, Alpha Chapter
Lambda Sigma Kappa
Omega Delta Phi, Alpha Chapter
Omega Delta Phi, Delta Chapter
Phi Sigma Omega
Sigma Alpha Pi
Sigma Iota Xi, Epsilon Chapter

Chairman
J. F. BIVONA

Secretary-Treasurer
L. DUNDATSCHECK

DURING the past year it has been the aim of the Interfraternity Council to win faculty recognition for the fraternities of Cooper Union. They have diligently worked to prove that the scholastic standing of fraternity men is as high if not better than the average student.

The Committee was organized two years ago for the purpose of elevating fraternity activities to the highest possible plane, instill a stronger school spirit in the student body, and, in general, to work for the advancement of the Cooper Union.

During the first year of its existence, the council was faced with the problem of correcting the unsatisfactory condition resulting from unrestricted pledging. After extensive discussions and study, the committee drew up a set of pledging rules, which were adopted October, 1930. With these rules in operation it has been found that misunderstandings have been obliterated.

Mu Alpha Omicron Honorary Fraternity

INSTITUTE OF TECHNOLOGY

FRATRES IN FACULTATE

Blanford A. Alger
Olaf G. Gerdin
Carlyle W. Miller
Emanuel A. Salma
Herman Stemper
Norman L. Towle

FRATRES IN COLLEGIO

Herman V. Cottony
Willard T. Eddy, Jr.
John J. Lanigan
August B. Mundel
William J. O'Donnell

ΦΣΩ
ΦΙ ΣΙΓΜΑ ΟΜΕΓΑ

Phi Sigma Omega Fraternity

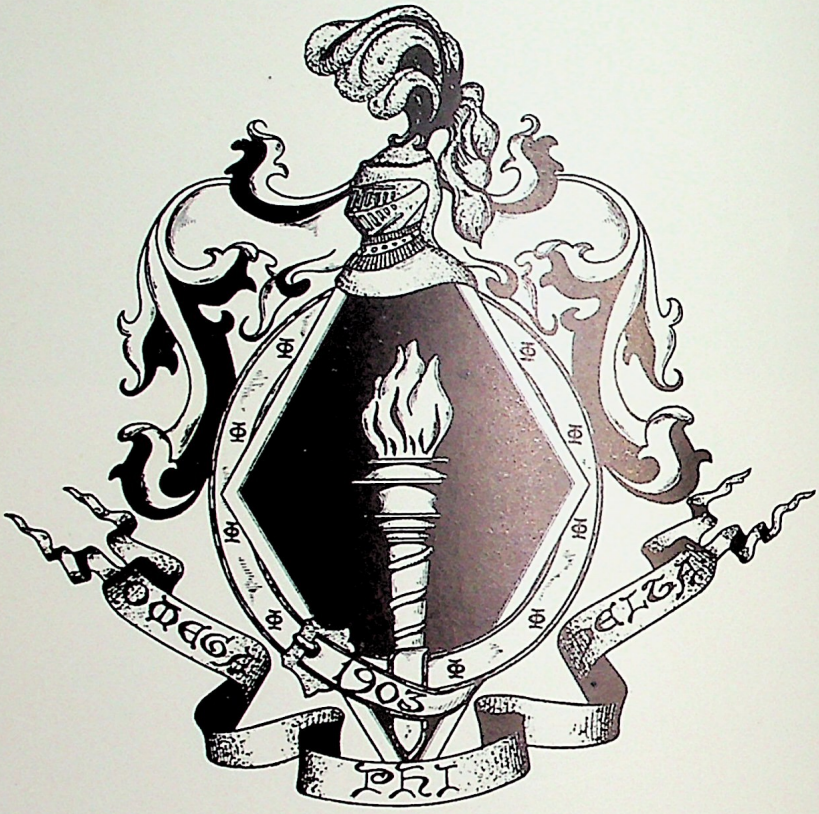
ALPHA CHAPTER

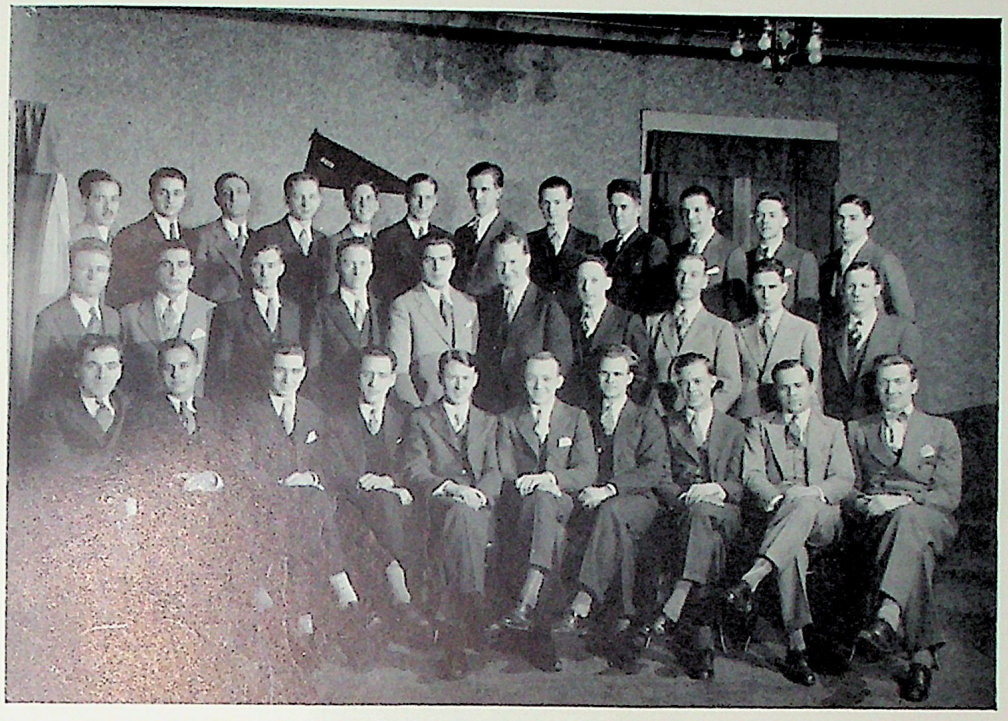
FRATRES IN FACULTATE

Edward A. Miller — William T. Peterson — Miles H. Van Buren

FRATRES IN COLLEGIO

Francis H. Alexander
William A. Anderson
Edward D. Badey
John F. Bateman
Stanley Berg
Robert Brady
Philip F. Brueck
James J. Burke
John V. Cahill
Joseph A. Campbell
John J. Carroll
John T. Carroll
Angelo Casulli
Vincent C. Cody
James E. Coffey
Vincent G. Cooke
John E. Currie
Hector Cuttica
Raymond B. Duguid
Earl Edstrom
Lawrence V. Gabriel
James J. Gill
Marcel Goazempis
Erich Graber
Ernst Graber
Sterling Gustavson
Emmet G. Happ
Alfred H. Hippe
Thomas F. Kearney
Emil F. Knipper
Michael J. LaForte
Arthur L. Lipman
James S. Locke
Ernest S. Lundie
James J. McManamy
Vincent S. Morano
George O'Brien
Lawrence R. Oswald
Joseph E. Owens
Joseph A. Pasquale
Ernando F. Perricelli
Harold E. Prucha
James J. Quinn
Rene Reimann
William P. Reuss
Gilbert E. Ribreau
Frederick J. Richter
Ralph Sandor
Walter Simons
Stanley T. Slezak
Eugene R. Spies
William H. A. Smyth
John Stark
Joseph W. Svoboda
Joseph Tesoriero
Caesar A. Tolivar
John G. Wagner
Wallace W. Wagner
Peter F. Wield
Anton J. Wille
Ralph W. Windrum


ΦΔΘ
1903
ΦΚΤ



Omega Delta Phi Fraternity

ALPHA CHAPTER

FRATRES IN FACULTATE

Francis P. Carey
Prof. Henry C. Enders
Prof. Karl Hauptman
Lester A. Kenworthy
C. George Kruger
Raymond Kunz
Otto Puller

FRATRES IN COLLEGIO

Alfred A. Anastasio
William C. Brass
J. William Carey
Arthur G. Coffin
Joseph Costa
C. Alfred de Vyver
John J. Egli
Herman A. Folgner
Lambert Freericks
William J. Hamm
William Haratonik
Eugene Kelly
Walter Klus
Leo T. McGuire
William J. Matt, Jr.
Joseph Michal
Raymond F. Moran
Charles J. Morrello
Jeremiah A. Musilek
Karl A. Newgreen
John B. Papp
John H. Petersen
Edward A. Phelan
Victor D. Piro
Arthur O. Ploetz
Marte Previti
Walter Rowland
Herman L. Schick
Joseph Schnitzbauer
John L. Sherry
Frank R. Spinka
Fred C. Stein, Jr.
Robert L. Taylor
George Tuscher
Edwin S. Tweedy
H. Earle Vaughan
Edgar Watson
Stanley J. Zawadowicz

ΣΑΠ
SIGMA ALPHA
PI

Sigma Alpha Pi

FRATRES IN FACULTATE

William E. Bossert
James Coull
Werner O. Entenmann
Abraham J. B. Fairburn
Henry B. Hope
Carlyle W. Miller
Dr. Albert B. Newman
Henry J. Otten
Prof. William J. Pickett
Prof. Norman L. Towle

Carl H. Young

FRATRES IN COLLEGIO

William J. Burns
James Constable
Willard T. Eddy
Harold E. Grebe
Maurice W. Groves
Felix A. Inslerman
Helmar O. Jensen
Kermit J. Kalna
Emil H. Keller
John W. Kinkel
Charles E. Luffman
Thomas H. Neely
Arthur E. Post
Walter J. Romlein
Edward Schoenfeld, Jr.
Kenneth A. H. Smith
William C. Stevens
Ernest Tonjes

Hugh C. Wilson

ΛΑΜΒΔΑ·ΣΙΓΜΑ·ΚΑΠΠΑ

Lambda Sigma Kappa

FRATRES IN FACULTATE

Blandford A. Alger
Warren G. Findley
Harold W. Merritt
James P. O'Donnell
Herbert F. Roemmele
Emanuel A. Salma

FRATRES IN COLLEGIO

ALPHA

Jack Baliff
Marcel J. P. Bogart
Hugo Di Giovanni
Emanuel A. Drago
Alexander Engel
Edgar Hinton, Jr.
D. Wirth Jackson
Theodore S. Kalisher, Jr.
Henry L. Kaune, Jr.
Sidney Kleban
Pierre Lambert
John J. Lanigan
August B. Mundel
George C. Neuschafer
William J. O'Donnell
Gerard J. Plunkett
Robert E. Pollock
Alexander Rapisarda
George Ratner
John S. Stepsis

BETA

Phil S. Anthes
Bertram J. Bertolamy
Joseph Boccio
Lawrence Bochinski
George Brown
Michael Carollo
Keith I. Cronshey
George Deissroth
John Lorenc
David Mesnik
Joseph Marraccino, Jr.
Alfred Priven
Frederick M. Sheffield
Frank Spinetta
George T. Taylor
Joseph Tumolo
Felix Wielonski

Apostrophe

All through the night the engines sing
Above our land, above our sea;
And high toward heaven each splendid wing
Fares like a bird of victory.
Do we recall the men who made
This miracle that breasts the storm?
Two brothers dreamed, with no one's aid,
And quietly their dream took form.

Slowly the pinions took their lift,
Soared to the still astonished skies.
And then the rhyming song they built
Arose before our watchful eyes.
And those who smiled were those who cheered
These strange birds sailing through the air.
A new day dawned when they appeared,
And triumph followed on despair.

Brave pioneers, that time seems far
When your white dream had just begun.
Daily you find the morning star,
And even mount the moon and sun!
The ghosts of doubt have vanished; all
The trials, too, that barred your way.
But we remember your first call
That led to this undreamed-of day.

—CHARLES HANSON TOWNE.

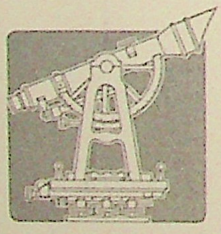
Courtesy of Wright Aeronautical Corporation

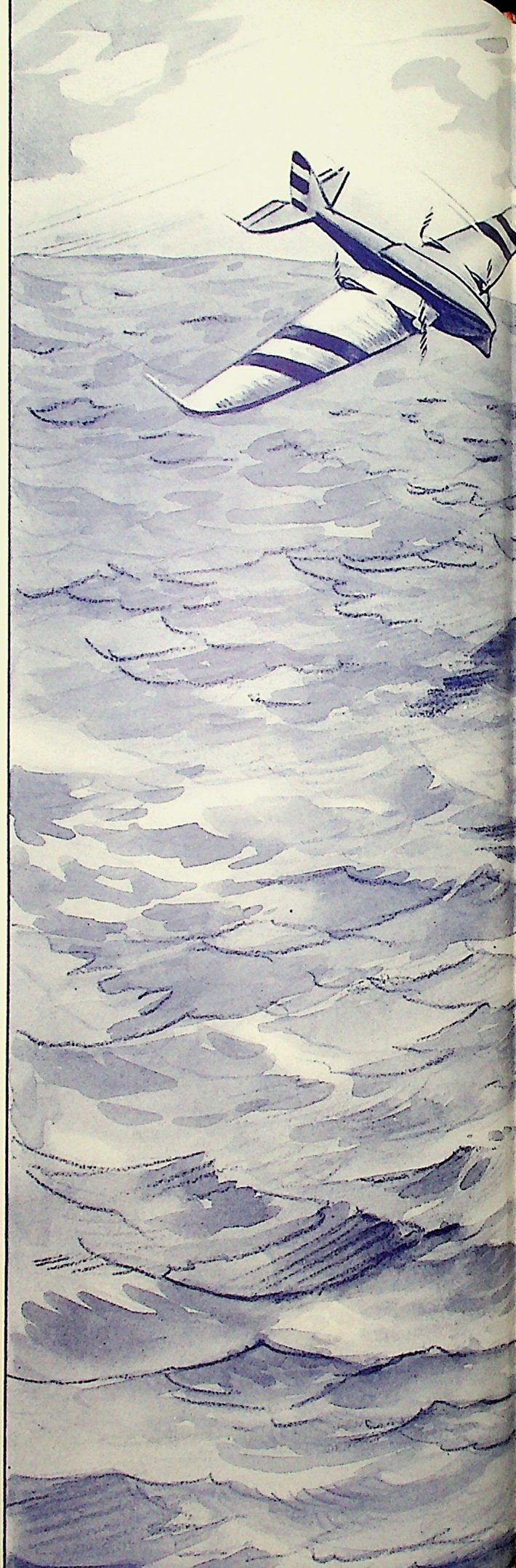
BOOK FOUR

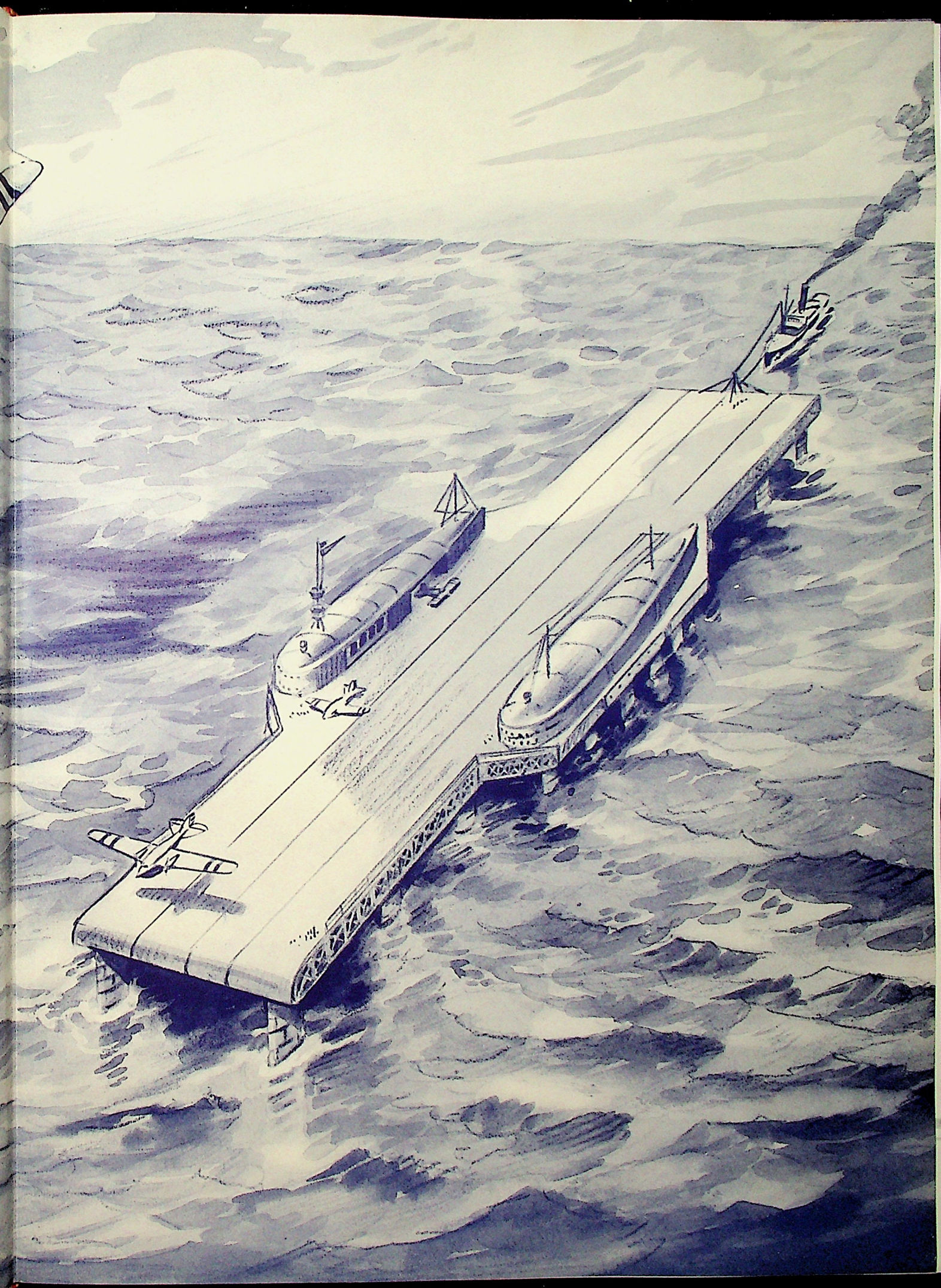
THE SPORTS

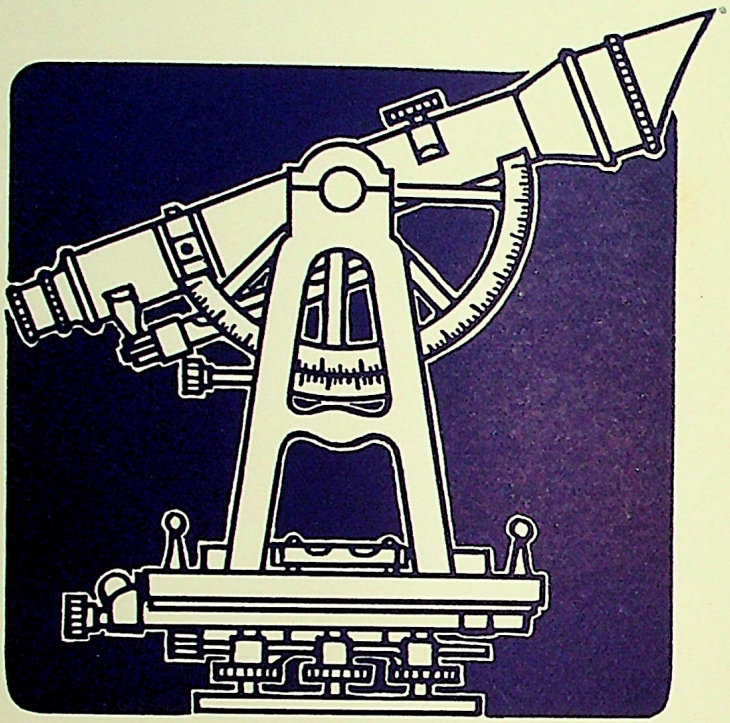
HALF a century ago Civil Engineering embraced all professional engineering as distinguished from Military Engineering. But in present years engineering has branched out, with extensive overlapping zones, into electrical, mechanical, mining and chemical entities, leaving Civil Engineering to embrace those applications of science and mathematics which do not fall into the rather narrow fields of the specialties. With the growing popularity of aeronautics, extensive airports with hangars of gigantic size, with landmarks and beacons, have been developed with the aid of Civil Engineering. Mapping of countries, too, has fallen under the premise of Civil Engineering. Thus we know that in the further development of aviation the Civil Engineer must play a great part.

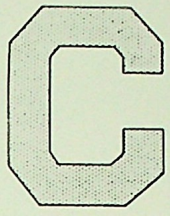
J. O. Riedel











Awards

NIGHT SCIENCE AND ART SCHOOLS

TRACK—Major "C"

R. Anthony, J. T. Carroll, G. O'Brien, A. Ploetz, R. Sandor

Minor "C"

P. Brueck, E. Happ, G. Jocker, R. Moran, C. Politi, J. Quinn, W. Rath

BASKETBALL—Major "C"

F. Balacek, G. Bojarsky, L. Golos, J. Roulette, A. Spielgelman, J. Friedman, J. Laucius, S. Slezak

Minor "C"

J. Coffey, R. Dvorak, E. Forlano, S. Ginsberg, F. Jahoda, S. Cohen, L. Eichenbaum, S. Frisch, E. Graber, J. Kubista, W. Quick, E. Schmidt

FOOTBALL—Major "C"

A. Anastasia, M. Aruck, F. Esposito, P. Josephson, A. Ploetz, R. Anthony, N. DeRocco, J. Halpern, E. Lovenheim, J. Zasorin

Minor "C"

R. Goren, G. Rosen, F. Smith, S. Smith

TENNIS—Major "C"

P. Anthes, J. Christensen

Minor "C"

E. Kelly, G. Kosolapoff, S. Kowaloff, J. Rabourdin

HANDBALL—Minor "C"

J. Nakos, E. Reif, S. Simon, S. Smith, A. Zuckerman

INSTITUTE OF TECHNOLOGY

BASKETBALL—Major "C"

E. Behn, W. Eddy, E. Ryan, J. Shapiro, G. Shemin, E. Sternlieb, A. Zeitz

Minor "C"

A. DeBiase, H. Graus, M. Lipshitz, S. Shoor, R. Torop, I. Dunsay, E. Hinton, F. Philip, M. Slamowitz, H. Weinstein, F. Shapiro

RIFLE—Major "C"

J. Baliff, E. Behn, H. Gluck, T. Kalisher, J. Stepsis, S. Swertloff, G. Terry

Minor "C"

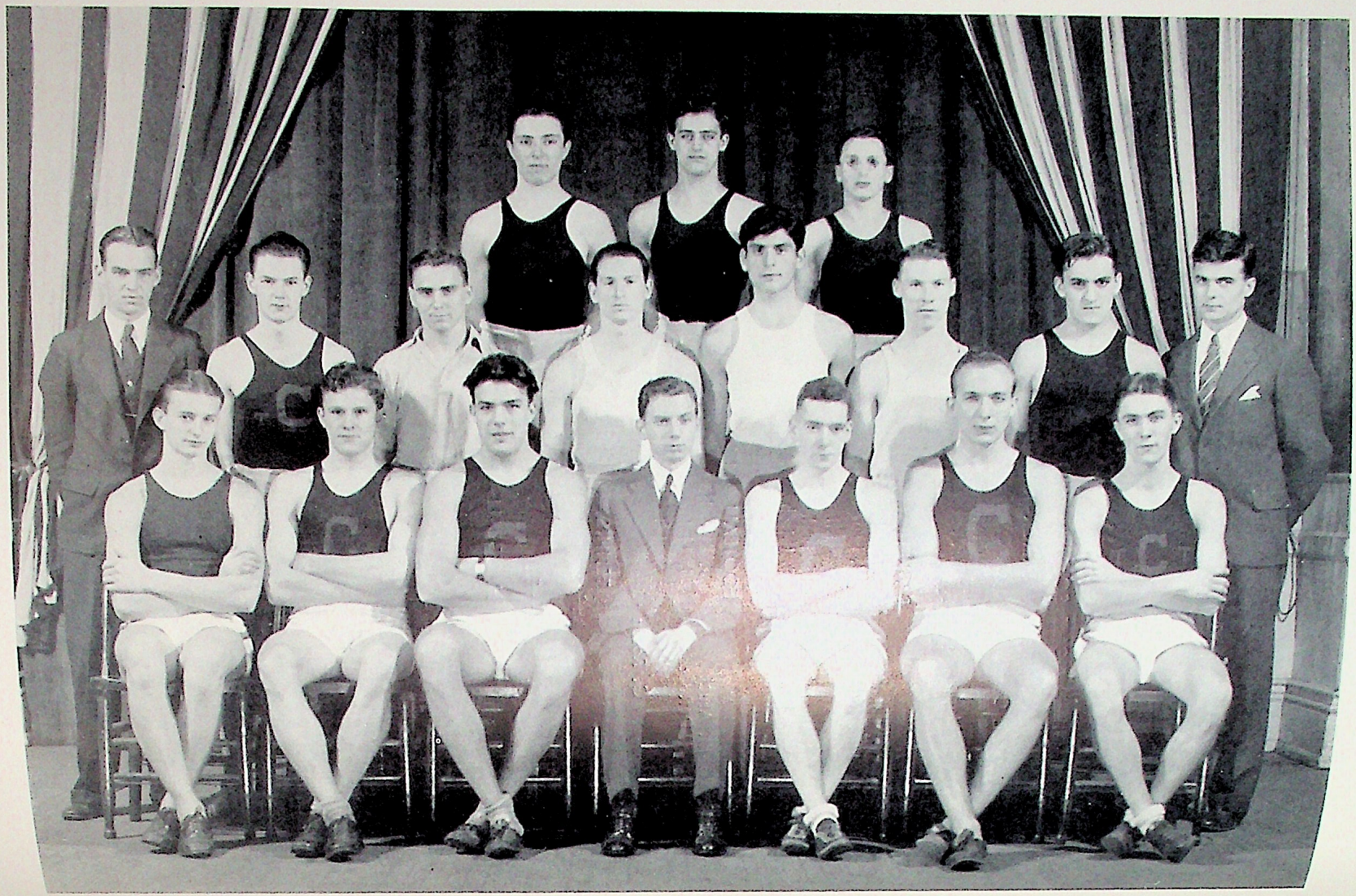
H. Cottony, W. Eddy, P. Lambert

BASEBALL—Major "C"

V. Behn, W. Connely, E. Hinton, J. Murphy, E. Ryan, S. Cohen, J. Domin, H. Klug, W. Peters, E. Sternlieb, E. Drago, C. Lagreco, D. Rabinow

Minor "C"

R. Bonnenort, N. Karathanasis, J. Milusich, M. Mofsenson



TRACK TEAM, NIGHT SCHOOLS OF *SCIENCE AND ART*

Manager
EMMET G. HAPP

Night Schools of Science and Art

TRACK TEAM 1930-31

Captain
GEORGE W. O'BRIEN

THE Cooper Union Track team distinguished itself again in 1930-31. Under the leadership of Manager John T. Carroll and Coach Hal Johnson, the team won five of the six meets scheduled, amassing 168.5 points against the opponents' 119.5.

The dual meets scheduled with C. C. N. Y., School of Commerce, on March 28, and Brooklyn College of Pharmacy on April 4, were forfeited to Cooper.

On April 11 at McComb's Dam Park, Cooper Union and Savage Normal School held a dual meet. Savage garnered 38.5 points to Cooper's 33.5. It was a real match with Cooper leading from the beginning to before the last event. Here, Savage managed to win the first three places, and, consequently, the meet. Bob Anthony amassed the highest number of points for Cooper Union by winning the half-mile run and being second in the quarter mile. O'Brien, Quinn, Ploetz and Sandor also distinguished themselves by winning and placing in the events, after a good deal of hard fighting.

On April 18, Cooper and Seth Low competed in a dual meet at the home grounds. Cooper "ran away" with the meet to the tune of 53–19. Bob Ploetz totaled the greatest number of points for the day with O'Brien, Anthony, Quinn and Sandor gathering the rest. Needless to say, Cooper tracksters were in fine condition.

The most exciting contest was staged on April 25 between Cooper Union and Brooklyn City College. The score was close throughout, with each team having its turn at the lead. At the start of the final event, the broad jump, Brooklyn College was leading by one point. Sandor, of Cooper, easily won first place but Art Ploetz, after a terrific jump, failed to place by the narrow margin of a half inch. The final score was 36–36 but Brooklyn College acknowledged defeat because Cooper won five of the eight first places. The quintet of O'Brien, Anthony, Ploetz, Quinn and Sandor were again the stars of the meet. Politi, Jocker and Laucius, the new recruits, placed in several events, thus proving their mettle.

The dual meet between Cooper and Newark College of Engineering will be remembered for a long time by the few members of the Track Team who participated. It was the last meet of the season. The field was very damp but not the Cooper spirit. Though some of their teammates were absent, the boys were willing, even eager to enter events for which they had never trained. The score was 46–26 in favor of Cooper, showing the success of their efforts. Bob Anthony started the meet by winning the 440-yard dash. The 100-yard dash was taken by Sandor, with Ploetz inches behind. Ploetz had volunteered to run, although the high jump and shotput were his forte. Everyone was amazed to see him tearing down the track on the heels of Sandor, Cooper's star sprinter. O'Brien, who always can be counted on to win the mile run, came through as usual, yards ahead of the nearest runner. Polisco, of Newark, won the shotput, barely topping Ploetz and Anthony, who took second and third places, respectively. Sandor and Ploetz added a few more points to Cooper's score by placing in the 220-yard dash. We've heard of spectacular races but none to surpass the mark of our own Bob Ploetz and the other tracksters.

The winged-foot men of Cooper soared to rare heights when they capped another successful track season by capturing the New Jersey State Mile Relay Crown.

The Relay Championships were held in May at the Kearney Stadium in Jersey. Cooper's quartette wasn't conceded a chance in the mile relay but victory seems to have become a habit with them. Ralph Sandor got off the baton to George O'Brien, who showed a surprising "kick" for a miler in the backstretch, and gave a lead of several yards to Bob Anthony, who coasted along, gaining some more ground. Jimmy Quinn hurtled around the final circuit, breaking the tape some twenty yards ahead of the nearest competitor.

These freshmen were coaxed out last year by the prospect of winning medals at the track field held at the Engineers' Armory last December. So much new talent was uncovered at this event that it has been decided to make the Field Day an annual affair.

For the conclusion of the most successful era in Cooper's track history the members of the track team assembled for their annual banquet in order to honor their coach and lettermen. Coach Hal Johnson was presented, by the captain, in behalf of the members of the team, a trophy for his invaluable services and time given in guiding and developing the boys.

"Hal" Johnson is a former Cooper Union man of the '29 class of E.E. He, with Jim Carroll, Paul Dwyer and others, rebuilt the track team, which was then a dead sport at Cooper, to such an extent that it became

a major sport. To date, "Hal's" record shows that he is largely responsible for each successful track season since its inception.

Following the presentation and words of advice from our Coach and Jim Carroll, a former captain and coach of the team, the lettermen were awarded their Gold "C's."

Next came the election for Captain with all the major lettermen fully capable of the position. When the dust had settled George O'Brien was reelected to guide the team through another season. "Bob" Anthony, our unbeatable middle distance man, was unanimously chosen as chairman of the committee to handle the field day plans for the coming year, thus bringing to a conclusion the activities of the track team of 1930-31.

1931–32

The Annual Freshmen Field Day proved to be a huge success as regards the unusual number who came seeking track honors. The sprinters showed remarkable ability which makes the outlook for the coming season very bright, because sprinting has been Cooper's only weak spot.

Laucius proved his mettle by winning the hundred in 10.8 seconds, which is remarkable, considering the absence of spikes.

Krebs earned his gold medal in the furlong after a bad start in the hundred.

Nagoshiner made a very good showing by nipping Foster, an outside entrant and the National Guard Champ, at the tape in the quarter-mile run in the fine time of 54.4 seconds.

Kovacsivics took first place in the mile run to the startling time of 4 minutes 55 seconds.

Brenner managed to take the 16-pound shotput by pushing the ball for a distance of 39 feet 11¼ inches.

The first call for candidates for the 1931–32 track team was responded to enthusiastically by the new students. On December 10, the first practice, which was held at the Stuyvesant gym, revealed some unusual talent. If the first practice is any criterion, the old Cooper "Standbys" will be provided with some stiff competition. Under the guidance of "Hal" Johnson, the boys will certainly be a formidable team, and one which Cooper will be proud to call her own. Cooper need have no fear that the '32 games will in any way jeopardize the record that has been made by the teams since its inception six years ago. During this time, all meets were won save two, both of which were lost by a small margin.

Some of the meets in the 1931-32 schedule to date are Brooklyn College, Seth Low, Newark College of Engineering, Savage and, possibly, an out-of-town meet with either the New Jersey State Normal School or Trinity College.

Spurts

The Fighting Irish ..... O'Brien, Quinn
The Flying Dutchmen ..... Anthony, Ploetz and Rath
Our Jester ..... Rene Reiman (French, too)
Our Tin Soldier ..... Bob Anthony

THE Grasshoppers in the broad jump, Sandor and Ploetz, are looking for just a little more hop to be intercollegiate champs. No, sorry boys, that is not the right kind of hop in your flask.

It is said that a derby gives a coach prestige but says nothing as to what it gives the Manager. By the way, did anyone notice all the iron hats at the meet?

Manager Happ and Assistant Manager Brueck are considering taking up truck farming. They learned all about it spading up the broad jump pits.

For the new candidates, Quinn has written a book entitled "How to Run in Six Lessons"; Reiman entered the half-mile after reading Quinn's volume. He was out in front at the crack of the gun. He covered ground quickly, ten yards, then forty, still ahead, sixty, eighty and then —OW! Look! He's been running in the wrong direction????

Butcher Ploetz, our weight man, is placing the discus and shotput all over the lot. The last time it went into a passing taxicab.

Famous short expressions of Coach "Hal"—"Oh, just about 15 more laps, fellows—not too fast" (Puff Puff).

Manager
STANLEY T. SLEZAK

Night Schools of Science and Art

BASKETBALL

Captain
JULIUS FRIEDMAN

THE Night Quintet opened with a smashing victory when they beat Columbia Pharmacy to the tune of 28 to 13. The first half was nip and tuck, both teams fighting hard with Cooper holding the lead 11 to 6. In the second half the Cooper "hoopsters" continued to smash Columbia. The outstanding feature of the game was the Maroon and Gold's passing.

The night quintet and a busload of fans in high spirits went in search of Farmingdale and Victory. While Farmingdale was found and the high spirits retained, Miss Victory flitted away when the Basketeers bowed to the strong N. Y. Aggies aggregation to the tune of 33 to 16.

One of the most bitterly fought contests that any Night Quintet has played in years took place in Albany.

Both teams seemed to be rather wary of each other after the opening whistle had blown. However, in the first scrimmage, a foul was called on "Pat" Roulette, Boynton scoring it for the Pharmacy. This seemed to have inspired the Albany team, for they immediately scored a goal, putting them three points ahead of Cooper. At this point the usual thing for a Cooper team to do would have been to fold up and call it a day, but unexpected things started to happen.

From the next tap until "Joe" Laucius made the basket, the team uncovered the fastest attack yet displayed by the Night Quintet. It left the Albany team flustered and bewildered. From then on all nervousness seemed to have left both teams.

The goals that were made during the first half were hard fought by both sides. Neither was willing to let the other gain anything except after ferocious battling. This was demonstrated by the score 9 to 8, favoring the Pharmacy.

After a talk in the locker room by Coach Rabin the team came out ready to annihilate everything in sight. They must have been too anxious for Rafferty of Albany scored a goal, quickly followed by another one with Kazel scoring it. This was the last score by the Pharmacists for

C.U.
31-32

quite a while. The Cooper team started on a real rally with an intensity that cannot be justified in words.

The attack of the team was so well coordinated that they were not stopped until they were leading by five points. "Chick" Friedman, "Noisy" Golos and George Bogarsky were instrumental in bringing about this lead with their goals.

With six minutes to go the Albany team was panicked, but probably due to their better conditions they staged a remarkable comeback. They managed to overcome the Cooper lead and win by seven points, the final score being 27 to 20.

The team then journeyed to Hoboken to meet an experienced and highly touted Stevens Tech Quintet. The game started and the home team drew first blood through scoring on a foul shot, but Cooper retaliated with a field goal, gaining the lead for the moment. There was no scoring for the next few minutes although the play was fast. Stevens then scored, placing them in the lead, which they held and added to until, at the end of the half, the score stood 18 to 14 in the Tech boys' favor. The play in the first half was much closer than the score indicates. Were it not for the bad breaks the final score might have been much different.

In the second half a rejuvenated and fighting Cooper Union team went out on the field of battle refusing to give up and literally played their opponents off their feet. They began to eat up the lead that the New Jerseyites had piled up; the pace was too torrid and Stevens, scoring on a misplay, put an end to the rally. From then on Stevens kept even with Cooper, although the Night Five outplayed them on the floor. The game ended with Cooper Union on the short end of a 25 to 15 score.

In the first home game of the year the Night team was defeated by the N. Y. Aggies. The score of that game was 32 to 19.

The Cooper Union team, being in a magnanimous mood, allowed the "Aggies" to score on them consistently in the first half and amass a total of 17 points to Cooper's 4 points. The "Aggies," however, were unable to make much headway in the second half as could be seen from the score.

Evidently traveling does not agree with the Cooper Night Basketball team, for this time they went to Staten Island only to meet unexpected defeat at the hands of Wagner College.

Cooper assumed the lead at the start of the game and held it at quarter time, the score being 6 to 5. The minute's rest between periods seemed to put a damper on the team's spirits since they began to play erratic basketball. Wagner took advantage of Cooper's lapse and proceeded to overtake the Night School and then went into the lead. The score at the end of first half was 15 to 10.

At the start of the second half Cooper seemed to have regained its snap and almost overtook Wagner, but the unfortunate eviction from the game of Captain Friedman for personal fouls destroyed the team's morale. From then on they fought a dogged but losing battle and when the final whistle blew it was found that Wagner had defeated Cooper.

It just doesn't seem that the Night Team is to be favored with any victories. Over the Lincoln Birthday holiday they played two games. One with the General Theological Seminary and the other with Rutgers College of Pharmacy.

The score of the first game was 26 to 24 in favor of the Seminary and the second game was won by the Pharmacy, the score being 32 to 29.

In the game with the Seminary, both teams were rather anxious in the first half, throwing the ball away frequently. The Cooper team, however, was superior in pass work but did not have much luck in making its tries for baskets. This did not help the score much, the first half ending 11 to 10 in favor of G. T. S.

The second half opened with both teams ready to do or die. The playing in this half was real basketball, featured by some excellent shooting by Hardman of the Seminary team. He caged eight baskets out of as many tries, while "Chick" Friedman for Cooper made six baskets.

The team traveled to East Orange and played Rutgers' Pharmacy. This game was also a nip and tuck battle. The Cooper team was out to play as it had never played before.

It did not take them very long after the first whistle to score their basket and to continue to do so throughout the half. In fact, the Rutgers team did not seem to be able to cope with the passing at all in this half. The first half ended with Cooper in the lead, the score being 17 to 12.

The Rutgers coach seemed to have given his team quite a talk between halves as they did not allow more than two minutes of the second half to go by before they had scored two baskets. At this point Cooper called time out, decided to talk things over. It seemed to have some effect as it stopped the Rutgers rally and the Cooper score mounted again.

The Rutgers team would not be denied, however, and went off on another spree to try to overcome the Cooper lead and this time it was successful. The Pharmacists jumped in the lead by five points and held on to that lead stubbornly. With two minutes to go "Chick" Friedman called time out to give the Night Team a rest. This seemed to be what the team needed for when the play started Bojarsky was successful in making a basket. Goodman, of Rutgers team, did not quite agree to let Cooper get so close and dropped a basket in from mid-field.

Cooper managed to get the tap on the jump at center and with seconds to go Roulette turned around and let one fly on as he ran. This

try was successful and again cut the lead down to three points. The time left did not allow for any more and the final whistle blew with the score 32 to 29 in favor of the Pharmacists.

"HOOP WIT"

Coach "Lou" Rabin did all he could to give the team the benefit of his many years of experience.

Captain "Chick" Friedman—the snappy and flashy forward who made baskets with remarkable consistency.

"Slakey" Slezak—the original penny snatcher. To hear him talk one would think managing the team was a big job.

"Swede" Balacek—the boy wonder of the team. When he was between the ball and the foe's basket Swede seldom failed to break the play.

"Jumping" Joe Laucius certainly lived up to his name when he kept one jump ahead of his man.

"Pat" Roulette—the fellow with the smiling countenance. Nothing pleased Pat so much as to miss an easy set-up and then counter his "faux pas" with one big smile.

"Spiegie" Spiegelman is also on the squad but from the noise he made one would think he was a spectator. "Come on, boy! Oh, boy!" and so on far into the night.

"Noisy" Golos—Walter Winchell's pal. When "Noisy" was in the game he was only getting "dirt" for his "Scheherezade" column. Then he'd spill it in The Pioneer, as he was Editor-in-Chief.

"Jawge" Bojarsky—the frosh of the team—had little trouble in outwitting his opponents by throwing the ball where he wasn't looking.

"Sol" Frisch—the man women rave about. It was only necessary to allow Sol to shoot a few baskets on the court and all the women would ask for a refund.

"Ikey" Eichenbaum—the other frosh. When "Ikey" warmed the bench he managed to do a complete job by coaching everybody—even the coach.

"Sam" Cohen took everything in a true Cooper fashion, "Live and Let Live."

"Henry" Forlano—the "Arch Stude"—said little but how the opposition felt his presence!

"Handsome Jim" Coffey—a perfect decoration for any team. Jim is one of the young men who is going to do big things on next year's team.

"Bill" Quick came out for the team even though it required a passport from Jersey.

"Rudy" Dvorak and "Frank" Jahoda in a true "Damon and Pythias" fashion, vowed that the varsity squad will still be theirs.

CABLE

Manager
WILLARD T. EDDY

Institute of Technology

BASKETBALL

Captain
ABRAHAM ZEITZ

WHEN the squad first turned out for practice, the fear that the loss of Sig Weintraub and Whitey Domin would be felt heavily was banished when the freshmen class offered Jack Shapiro as a candidate. Under the guidance of Coach Laub, the squad was soon in tip-top shape and "raring" for their first combat.

Baskets come and baskets go—but ours came oftener, so the Cooper Tech basketball team found itself on the long end of a 22 to 15 score in a hard fought game with Webb Institute of Naval Architecture. The game started off with the score tied at nothing all, but Webb soon took a one point lead after the referee found a foul on the Cooper team. Their lead did not last long, however, for Sternlieb looped a half count shot from the foul line to give Cooper the advantage at two to one, which sent the rooters into an uproar. The score at the end of the half stood 8 to 4 in Cooper's favor. In the second half, Webb threatened often but the dead-eye shooting of Eddie Ryan was too much for them.

To the Cooper Tech quintet it was a cruel world at the Pratt gym, where the team was handed the lower end of a 36–17 score.

At the Brooklyn Poly game, Cooper tasted the bitter end of a 26–18 score in a game which was featured by Ryan's shooting. Poly took the lead at the start and held it throughout the entire game.

The Cooper Tech basketball team was on the brink of victory against Upsala, but old man Jinx stepped in to help sprain an ankle and tease two Cooper players into committing fouls so that they had to leave the game before the final whistle. Upsala took an early lead but was overtaken and the score at the half stood 15 to 11 in Cooper's favor. Ryan threw the ball into the basket time after time, but Upsala kept right behind. Upsala then stepped to the front with the game ending 28 to 24.

The Princeton contest was the outstanding game and showed the Maroon and Gold to be a strong team despite the fact that we weakened at the finish and lost 40 to 25.

The team next met the St. Francis outfit and with the score of 24 to 19 against Cooper, the opponents staged a scoring rally which ended the game at 34 to 20. Eddie Ryan was the individual star of this game with three field goals and three fouls for a total of nine points.

Savage also took a slice out of the Cooper Tech team to the tune of 29 to 21. With five minutes to play Eddie Sternlieb found out what "psychological moment" meant, when he missed a foul shot with the score at 24 to 21, at which point Savage staged a final rally.

The Columbia game was a repetition of the old story. The Cooper team looked as tall as the far-famed Singer's Midgets. The score was 73 to 19.

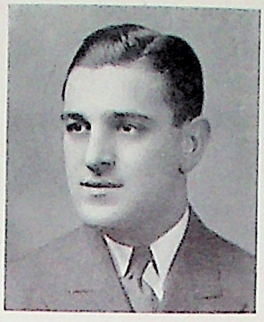
Victory beckoned early in the Seton Hall game until the Seton Hall hoopsters turned like the proverbial worm and administered us a drubbing to the tune of 42 to 31, despite the excellent work of Ed Ryan and Captain Zeitz, who made no end of field goals and fouls.

The Cooper Tech men then went to Hartford to down Trinity—and they did, with a vengeance. The game was an uphill battle and the team came from behind to take the lead by a score of 25 to 24, when Sternlieb sank a field goal, his only score in the game.

The Cooper Tech five met another defeat at the hands of the Cathedral College quintet, despite the fact that the Maroon and Gold outfit were favored to win. The Cathedral five immediately ran up a total of ten points and after an exchange of shots, a last minute rush put us behind, 18 to 13, at the half. A volley of baskets by the underrated Cathedral team at the opening of the second half left Coach Laub's boys far behind, with the final score of 44 to 22.

Finishing with an uphill fight, which fell short of victory, the Cooper Tech quintet lost to the Brooklyn College of Pharmacy by the score of 25 to 24. An exchange of shots, with Shapiro and Ryan scoring for Cooper, preceded a rally by the Brooklyn outfit, which left the Maroon and Gold behind 20 to 9. The first half closed with Ryan following up his own try to bring Cooper's total to 11. The second half found Coach Laub's charges fighting hard as Ryan and Captain Zeitz made field goals with Sternlieb and Shapiro sinking penalty shots. The only point the "Pharmacists" scored in the third quarter was made by Rosen, but it was evened up by "McGurk" Sternlieb's successful try from the penalty line. A field goal by the latter then brought the Cooper team within one point of tying the score of 21 to 20. The "Druggists" caged their last rally with two successive baskets which were followed by Ryan's two field goals bringing Cooper within a point of the Brooklyn team at the final whistle.

The remaining scheduled games with New York State College, Newark College of Engineering and the Night School are still pending as the CABLE goes to press.



Manager
ALFRED ANASTASIA

Night Schools of Science and Art

FOOTBALL

Captain
ARTHUR O. PLOETZ

THE football season at Cooper Union started unusually late. Manager Alfred Anastasia called practice only three weeks before the first scheduled game. With this heavy handicap it was no easy job for Coach Cramer, a former grid man of Cooper, to get eleven men in tip-top shape. With the exception of a few veterans, the team's material was both new and light. In fact, the latter factor proved later to be disastrous; especially in the defensive playing of the line. However, odds or no odds, the team practiced regularly and intensively in the evenings and on Saturday afternoons at the P. S. A. L. field in Brooklyn and were ready for their first game with Massachusetts State.

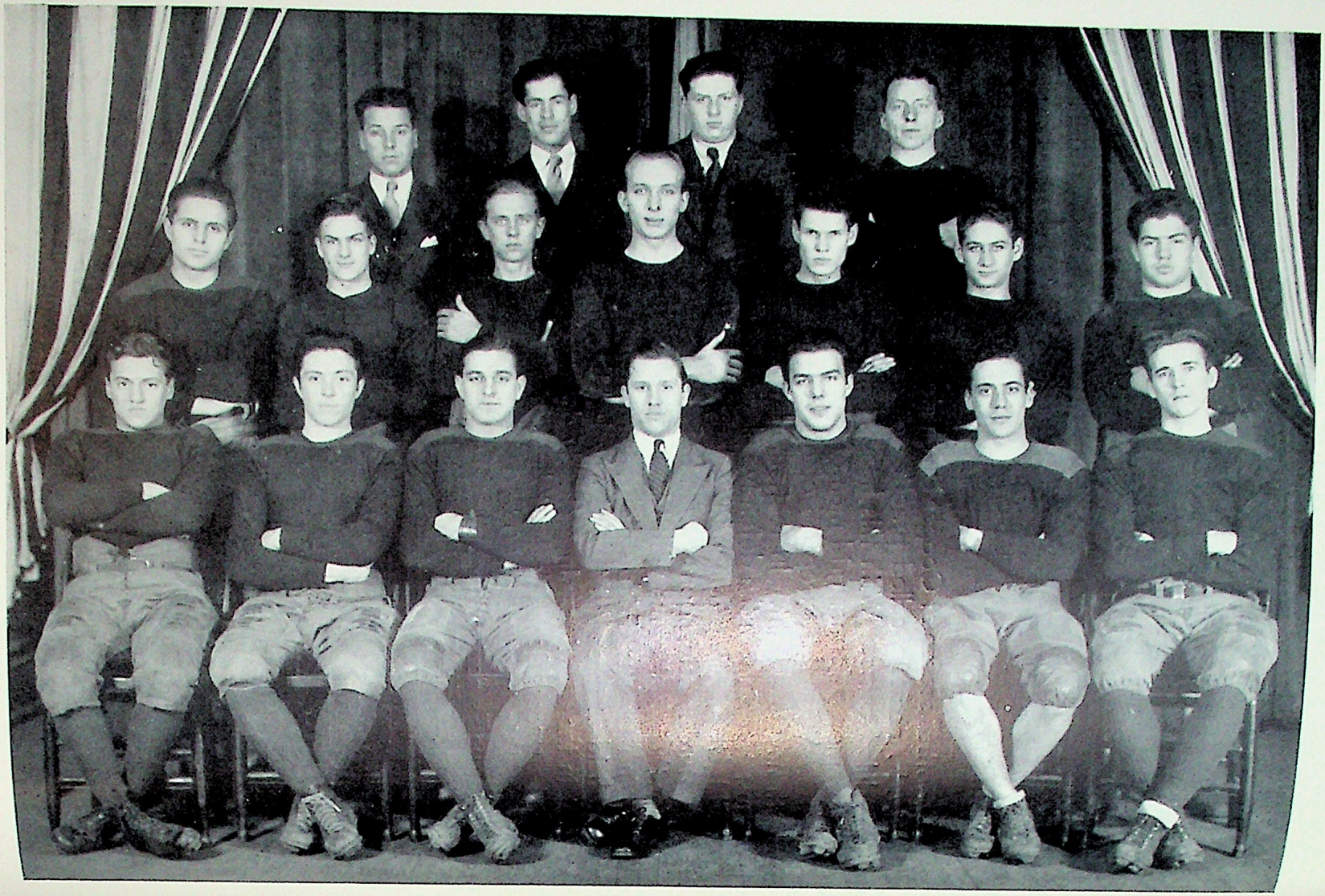
Leaving by bus, Friday night, September 26th, the squad arrived in Springfield at three A.M., and traveled the remaining twenty miles to Amherst in the morning. In a steady downpour of rain, the State proceeded to smash Cooper's light line, in spite of the hard fight they encountered, to the tune of 50 to 0.

The squad's next engagement was with Montclair Teachers' College on October third. During the first half Cooper couldn't seem to find itself. They allowed Montclair to score twenty points and missed a few opportunities to score themselves. However, in the second half Cooper managed to show some real team work and although they didn't score they held Montclair nicely, thus making the final score 20 to 0.

On October seventeenth, the boys traveled to East Orange, N. J., feeling quite confident that they would massacre Upsala. Every man played a rugged and hard game, but to no avail as the team lost 26 to 0.

The following week found the boys in Bethlehem, Pa., all set to pit their strength against Moravian College. However, the opponents proved to be too strong and again Cooper bowed, the final score being 22 to 0.

On October thirty-first, Cooper traveled to Farmingdale, L. I., to meet its annual and traditional rival—New York Aggies. Before a crowd of 2,800, Cooper suffered another defeat, going down to the tune of



FOOTBALL TEAM, NIGHT SCHOOLS OF SCIENCE AND ART

25 to 13. Cooper scored its first touchdown of the season when they fell on a blocked ball on the Aggies six-yard line and after a series of plunges tied the score 6 to 6. The try for the extra point failed by inches. Thus encouraged, Cooper opened up with real teamwork by completing thirteen out of sixteen passes. Cooper's second touchdown was made in the last quarter.

The final game was scheduled for November sixth with Wagner College in Staten Island and was played for the benefit of the Unemployed of New York City. Again Cooper lost, 6 to 0. The surprising fact was that the supposedly weak team of Cooper held the mighty eleven to one score which occurred in the third quarter as the result of a recovered fumble.

PUNTS

Coach "Al" Cramer didn't bring in a winning team, but nevertheless, he deserves a good deal of credit for his honest efforts.

"Arty" Ploetz, whose position as tackle, was one of the mainstays of the line.

"Al" Anastasia—the triple threat of Cooper. He kicked, passed and ran to Cooper's advantage.

Frank Esposito—the powerful man in the halfback position. A great plunger and unapproachable in defense.

Josephson, the low, plunging fullback, who could be depended upon for the split second opening.

Lehman always made himself felt when he was in the interference.

"Mike" Aruck's hobby was nailing the punt receiver on the spot.

"Bob" Anthony—whose long arms and legs were a mean menace to the opponents. And how he could cover ground!

Lavine—a great end who could grab forwards like eating pie. Yes, he can eat pie.

"Nick" De Rocco—a hard man to push over because he was built close to the ground.

"Fred" Smith—the light-haired lad from Port Chester who certainly showed plenty of ambition to travel such a distance for practices.

"Al" Rosen—a wee bit too light. Better gain some weight for next year's squad, Al.

Henry Pigott—a fast man who, in one game, was about to show his speed after catching a long forward but, alas, the whistle blew—the game was over!

"Sol" Smith is learning fast and we expect great deeds from him next year.

"Bob" Goren's ambition proved to be too much for his weak ankles.

Earl Loveheim—played good football but we shall expect even better next year.

John Zasorin—he loved football but, oh! how he hated to practice.

Manager-Captain
THEODORE S. KALISHER, JR.

Institute of Technology

RIFLE TEAM

THE year just completed proved to be the Rifle Team's most active year since its inception six years ago.

The season started off with two months of intensive practice on the part of all club members with special emphasis laid upon the breaking in of Freshmen. In the meantime, the stiffest schedule in the history of the team was being mapped out by the team manager, Theodore Kalisher, Jr. This schedule included entry into the New England Intercollegiate Rifle League in which the teams to be met were Norwich University, Boston University, Massachusetts Institute of Technology, University of Vermont, Connecticut Agricultural College, Worcester Polytechnic Institute and Rensselaer Polytechnic Institute. In addition, early season matches were arranged with the University of Pittsburgh, Cornell University, Johns Hopkins University and our nearest rival, Stevens Institute of Technology.

In the latter part of December, the Rifle Club sponsored its annual Interclass Rifle Tournament. Keen interest resulted in a very close contest in which the Junior Class nosed out the Senior Class by a very small margin. The members of the winning class team were H. Gluck, J. Stepsis, J. Lyttle, J. LaGreco and T. Jamison. The tournament was instrumental in bringing to light some excellent material in the Freshman Class which will be very useful to the varsity team next year.

The scheduled matches got under way on January 9, 1932, and are still in progress as the CABLE goes to press.

After the close of these matches, two yearly, scheduled projects will be undertaken. The first of these is the team's entry in the National Intercollegiate Rifle Tournament.

The second of these projects is the annual 10-day trip to Camp Smith, Peekskill, New York. During this trip club members will have an opportunity to shoot high-powered .30 caliber rifles and to qualify for the much-prized government rifle award.

Night Schools of Science and Art

HANDBALL

Manager-Captain
ELIAS H. REIF

THE first game was scheduled on December 13, 1931, with the strong K. of C. handball team. The matches were fought closely with Cooper coming out on the short end of the score.

Jerry Nakos, after a nip and tuck, bested McGrath of the K. of C. Sy Simon, a newcomer, who is a promising top notcher, turned in his first win. Simon beat Murphey, one of K. of C.'s first string men.

The following week the squad traveled to play the Y. M. C. A. team of Highland Park. Despite a good deal of hard fighting, the Cooper boys again came out on the bottom.

The handball tournament of Cooper versus Y. M. C. A. of Bay Ridge turned out to be an overwhelming victory for Cooper. Cooper's team turned in three wins out of a possible four.

Sol Smith, with shifty attacks and an alert, defensive playing, proceeded to crush his opponent under a volley of flashing serves. Sol's score placed Cooper in the lead, which was destined to hold till the very end.

Jerry Nakos also turned in a fine exhibition of handball when he whipped his opponent in a stirring match—a match which kept the spectators sitting on the edge of their seats until the final point was chalked.

Cooper bit the dust in the next tilt when Abe Zuckerman went down to defeat before the aggressive and scintillating attack of his opponent, who smashed his way to victory with well placed drives.

Sy Simon, playing in rare form, snatched the Bay Ridges' only chance to come out even in the first few innings of play when he demonstrated his mastery over the little black pellet. Sy had an uncanny knack of zipping in low and in odd corners where his opponent wasn't. The fate of his opponent was soon sealed and Cooper's men came home crowned with the laurels.

Manager Reif was delighted with their efforts, saying it was by far the best showing they had made and maintained that he had greater hopes for the next two matches yet to come.

Manager
JOSEPH A. KORANY

Night and Day Schools of Science and Art

TENNIS TEAM

Captain
JAMES CHRISTENSEN

WHEN the manager issued a call for candidates for the '31 tennis squad, over twenty-five enthusiasts applied, showing that tennis is becoming a popular sport at Cooper.

The team, under the leadership of our star, Captain Jim Christensen, won every match played.

The stars of this year's team were our old reliable veterans, Jim Christensen and Phil Anthes. These two men, by their consistent and clever playing, turned into victories two of our matches which looked like defeats. Captain Jim Christensen turned in a perfect score, winning every match he played. Phil Anthes almost duplicated his side-kick's feat. He only lost one match. Sidney Kowaloff, Gene Kosolopoff and Roland Rabourdin, all fine players, got off to a slow start but showed their stuff later on in the season.

Gene Kelly, a freshman, proved to be an excellent player and we look forward to big things from him in the 1932 campaign. Joseph Korany and Ray Noonan are very promising material and should show big results in the team of '32.

The following summary shows the splendid work of the team.

In the first match, Cooper Union defeated Brooklyn City College by the score of four to three matches.

Cooper won the second match from Manhattan College by default, 9 to 0.

The third match with General Theological Seminary was washed out.

The squad's fourth match with Moravian College suffered likewise.

In the fifth, Cooper Union took their feelings out on Seth Low Junior College by trouncing them, 6 matches to 1 match. Good work, boys!

For the sixth and final match, Cooper Union traveled to Montclair, New Jersey, and defeated State Teachers' College by the close score of 4 matches to 3.

Joseph Korany was appointed Manager of the 1932 team and James Christensen was reappointed Captain and Assistant Manager.

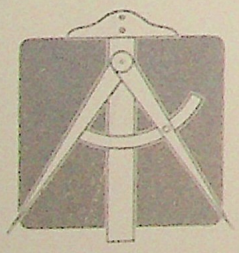
BOOK FIVE

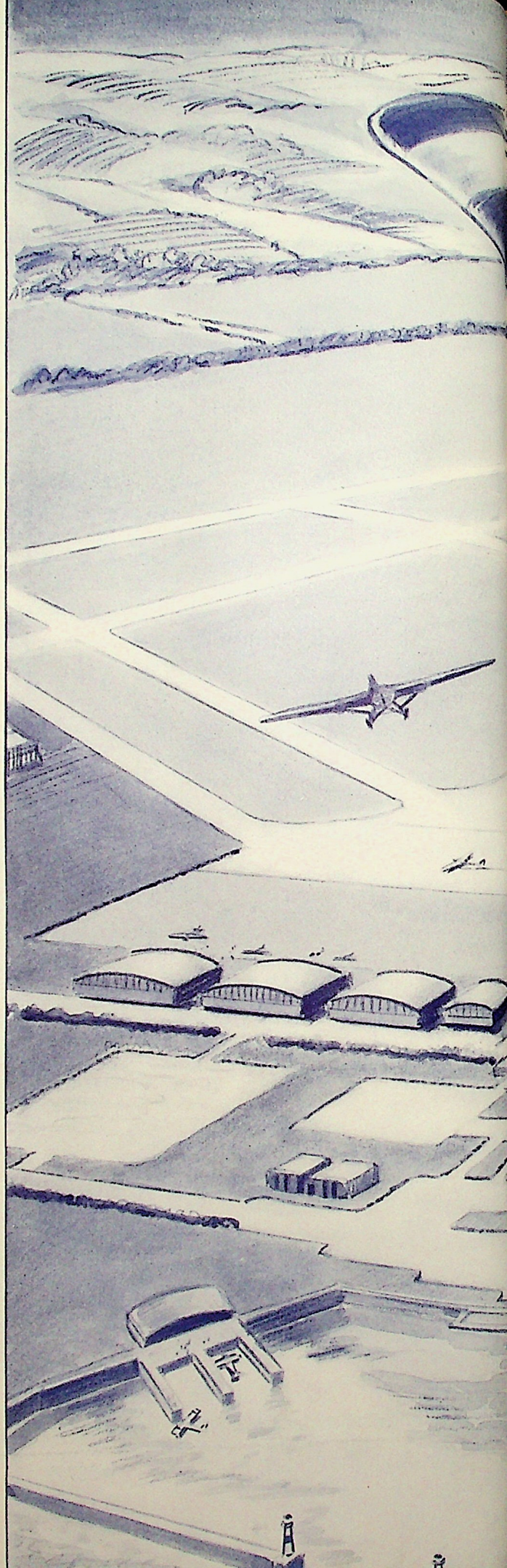
THE ACTIVITIES

ARCHITECTURE

SINCE the time of Leonardo Da Vinci, himself a great architect and one of the first aeronautical experimenters, Architecture has been one of the most important factors in the development of aviation. Architecture's greatest role in aviation has been that of designing the buildings and landing fields for all the aircraft, to promote their general utility and enlarge their scope of operations. Even a complete review, from Da Vinci's time until our own, would not be a just criterion of the profound effect of Architecture on one of the latest of science's children—aviation. The field reproduced here was designed by Wilfred J. Thompson, under Mr. Bruce Rabenold, and awarded First Prize in the 1930 Senior Architectural Class.

Chas. N. Miller





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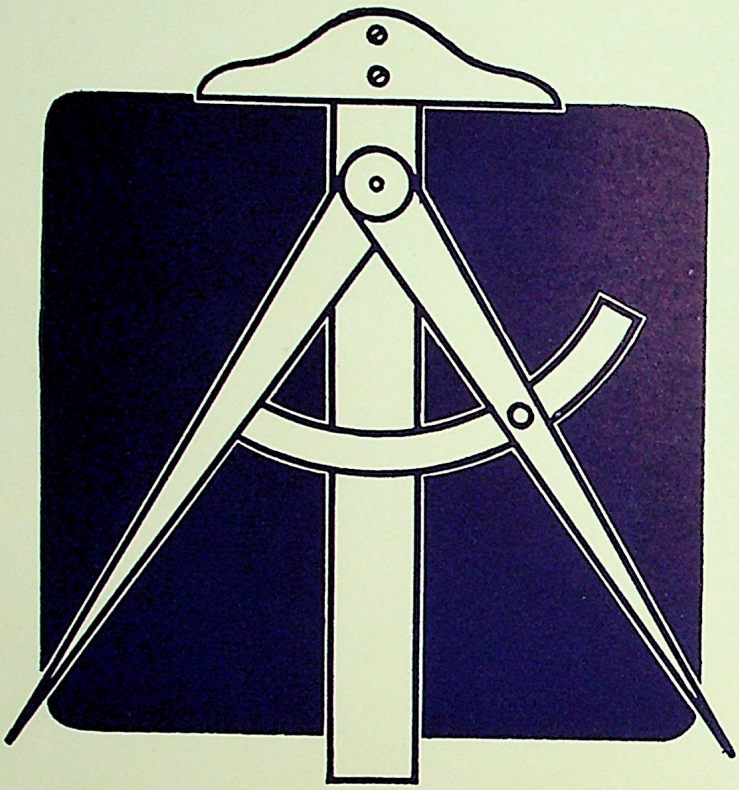

Annual Entertainment and Dance

NIGHT SCIENCE AND ART COUNCILS

The Level Club, April 2, 1932

COMMITTEE

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ENTERTAINMENT

Sol Strassler — Arthur O. Ploetz

Joseph Marraccino, Jr.

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Charles J. Morrello — Leonard P. Golos

Eugene A. Kelly

BUSINESS

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Joseph J. Fitzgerald — George Tuscher

Joseph M. Boccio

Senior Hop

CLASSES OF 1932

Hotel Plaza, February 27, 1932

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Vice-Chairman
WILLIAM A. ANDERSON

Secretary
FREDERICK M. SHEFFIELD

Treasurer
RAYMOND J. LEARY

B. Balcumes
William C. Brass
Edwin A. Kuenzler

James E. Loughlin
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Junior Promenade

CLASSES OF 1933

Hotel Victoria, March 12, 1932

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H. Walter Holmlin
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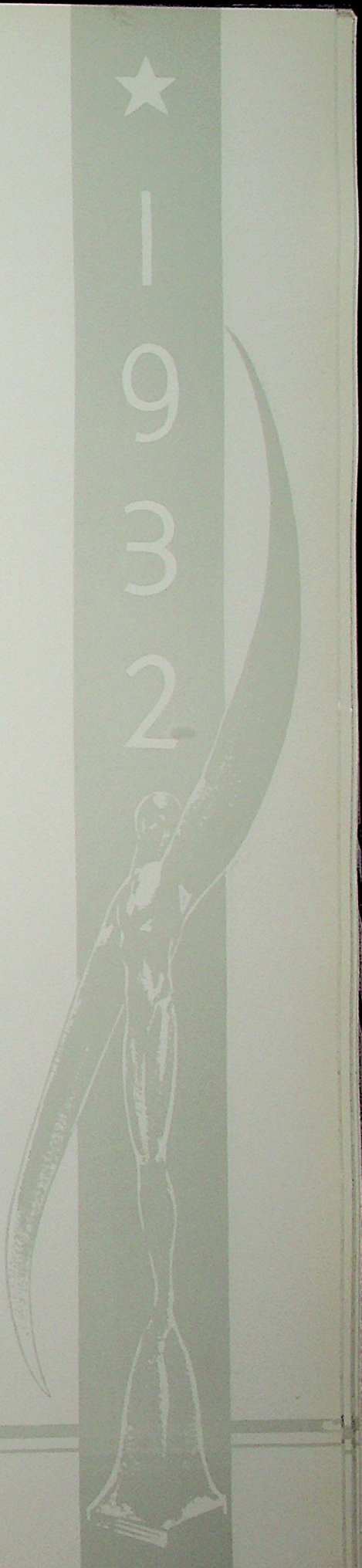
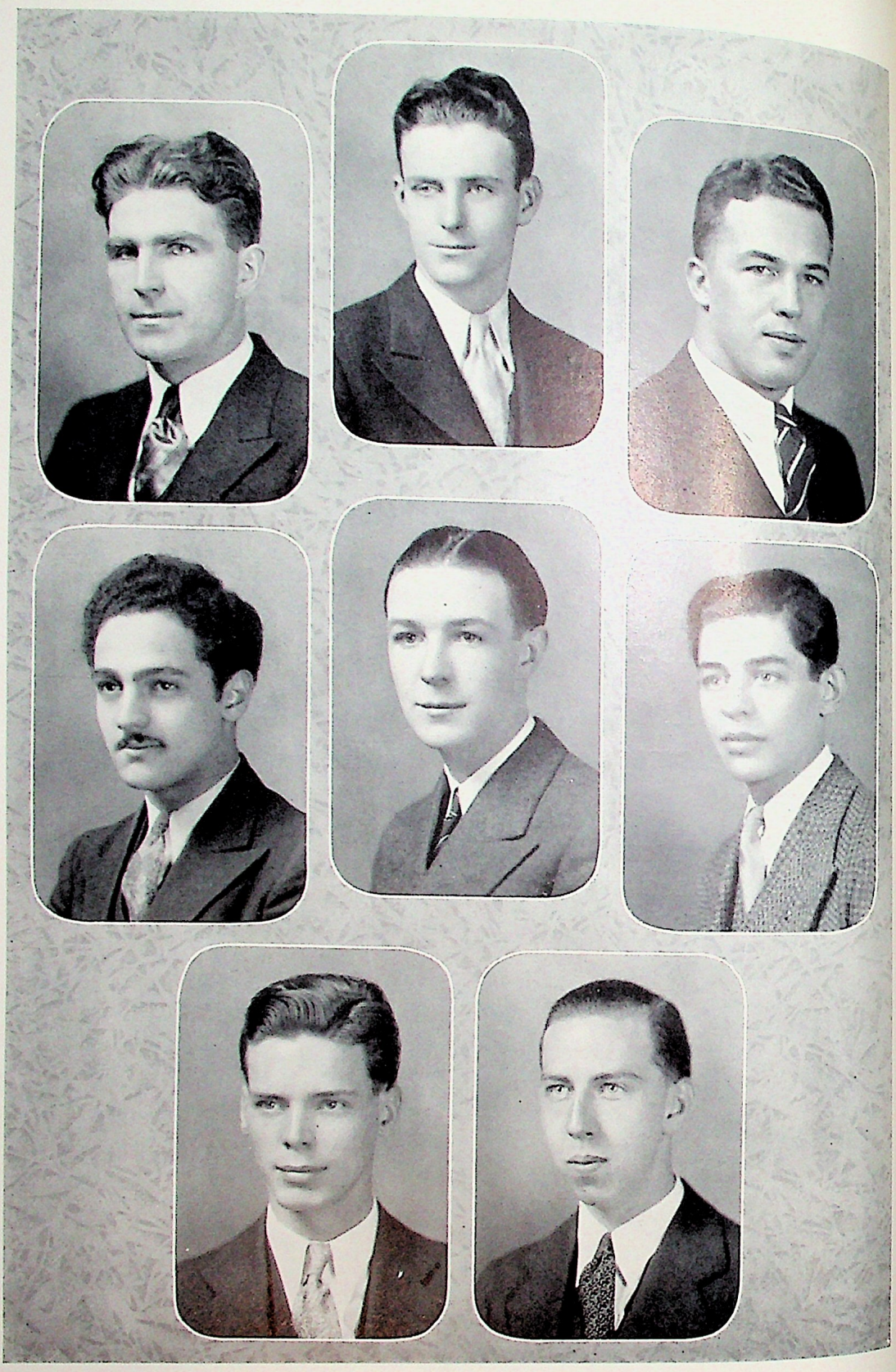
Vincent S. Morano





The 1932 Cable

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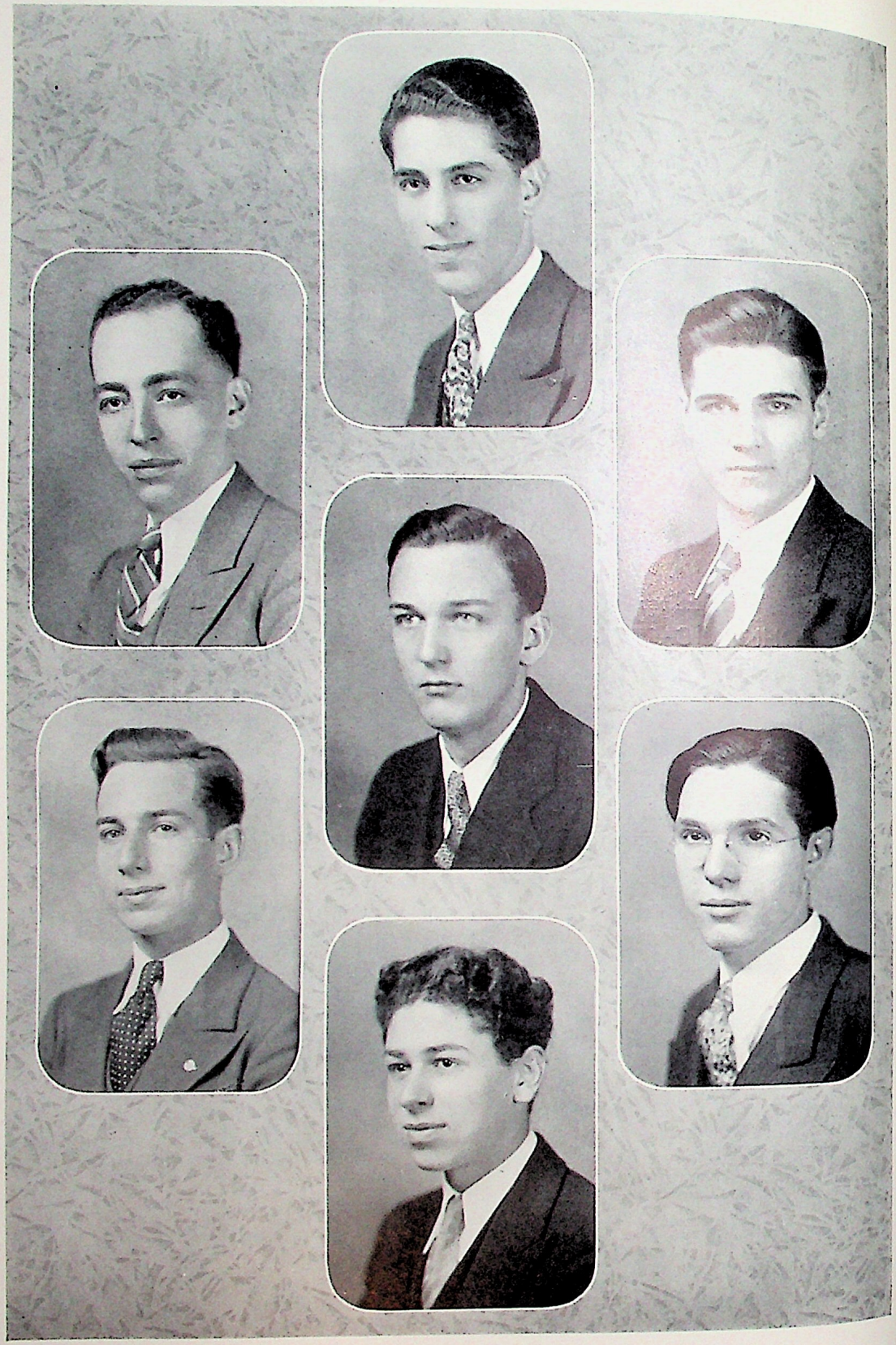

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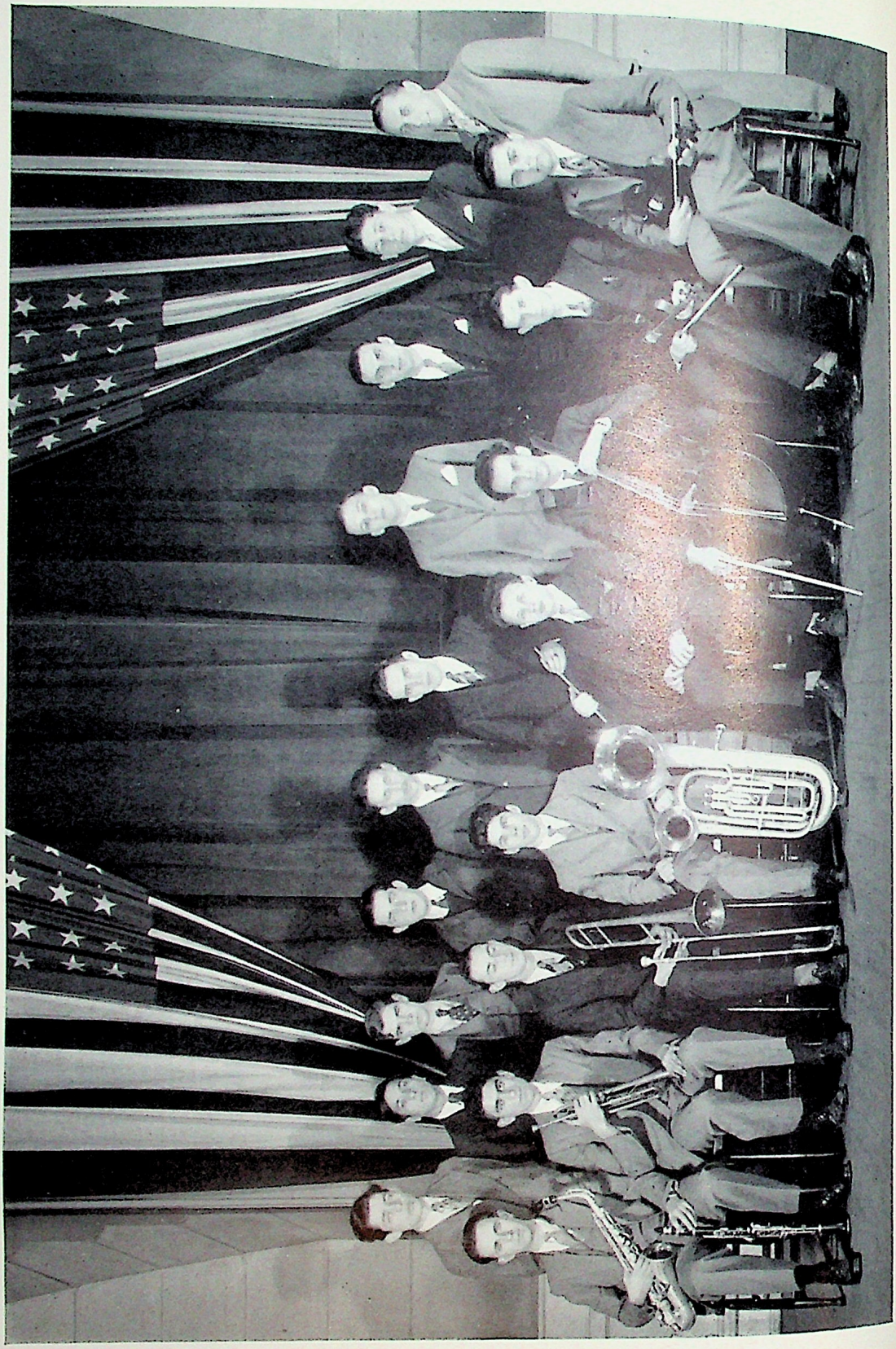


Musical Organization

Orchestra

Conductor
LESTER E. BAUSER

Concert Master
OSCAR BESSIO

Faculty Adviser
F. H. ROEMMELE

Robert Chertor
Boris Gouguell
D. Wirth Jackson
Douglas Oliver
Joseph Paderewski
Edward H. Ryan
James Saloci
Morris Schneiderman
Simon Schwartz
William Sussman

Edward Thompson

Glee Club

Director
HYMAN GRAUS

Asst. Director
JOSEPH WALLACE

Secretary
WILLIAM W. RIGROD

Treasurer
HENRY J. QUEEN

Henry E. Dutot
Martin Greenspan
Edwin Grunfeld
Charles Leyes
Morris Liebmann
John Tidesco

Herman Weinstein

THE Cooper Union Musical Organization, one of Cooper's new activities, was founded with the formation of the Concert Orchestra in February, 1931. Realizing the need for and the appeal that a Glee Club has to college students this club was organized at the beginning of this school year. The assumptions made proved correct, and a big turnout of singers took place, establishing the Glee Club as one of the favorite activities of Cooper students. Under capable leadership it now rivals the orchestra for honors.

They made their debut to the school at the Thanksgiving Entertainment and from the criticisms it was gathered that it was a great success. However, the greatest event of the year was the First Anniversary Concert in March, given to commemorate the founding of the organization. Many months of rehearsals were required and the members gave their cooperation willingly. The results were entirely gratifying and this concert will probably be a yearly feature.

Things You Never Knew Till Now About Cooper Union

(Continued from page 222)

That our museum, the only one of its kind in the world, is modeled after the Louvre in Paris.

That a piece of the original Atlantic cable, after which this book is named, is located in the Students and Graduates Room. It has a lion at one end and an eagle at the other and is attached to the address of the Common Council of New York City.

That china, crockery, book and other stores were once located in what now is the Night Art School. It also housed the Birkbech Thrift Society, a private bank. Barnes and Noble, then Hinds and Noble, was one of the bookstores which rented space there.

That the Personnel Room on the third floor was once the Pioneer's Office.

That Cooper Union, more often than you may think, is mistaken for the Bible House, where Peter Cooper once had his office.

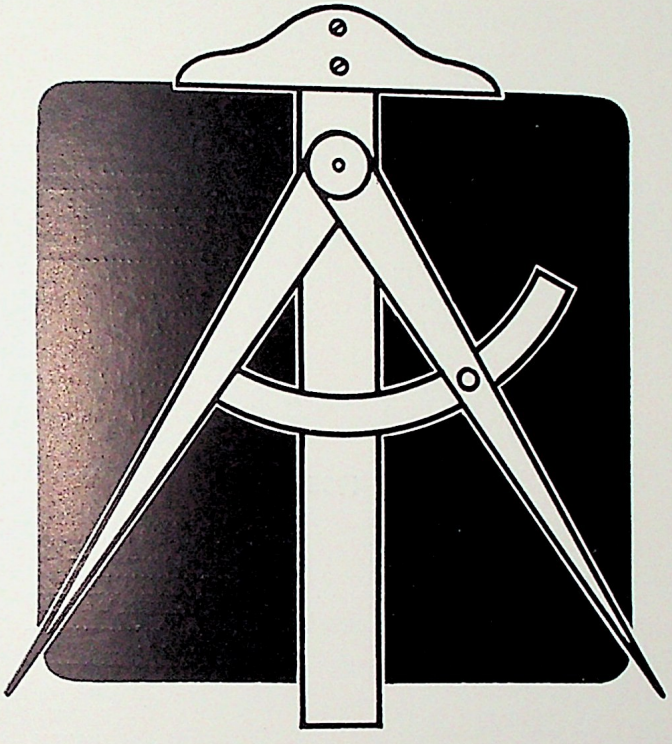
That Professor Bateman's present office once served as a bookstore and later as a branch of the Western Union.

That the American Bank Note Company printing plant was located on the sixth (then the top) floor of this building. They leased it because they were impressed by its fireproof construction.

That the second floor of the Foundation Building once housed offices of doctors, lawyers, real estators and other businesses.

That Cooper Union has won numerous awards for its students' work. It won a Medal-award in 1873 at the Vienna Exposition. Three years later it won an award at the U. S. Centennial celebration. In 1878 it won the Gold Medal at the Exposition de Universelle in Paris.

That three of our trustees have been mayors of New York City. Edward Cooper, Daniel F. Tieman and Abram S. Hewitt, Peter Cooper's son-in-law, were the three men so honored. Abram S. Hewitt was also a member of the United States Congress at one time and Chairman of the Democratic National section.



ROSTER

CHEMICAL ENGINEERING

1932

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Landau, M.....145 Audubon Avenue, New York, N. Y.
Loughlin, J. E.....97 Brown Avenue, Paterson, N. J.
Luedeke, A. W.....14 North Avenue, Elizabeth, N. J.
Mrowka, J....292 Metropolitan Avenue, Brooklyn, N. Y.
Pillartz, W.....109 East 121st Street, New York, N. Y.
Previti, M.....3732 64th Street, Woodside, L. I., N. Y.
Prista, A. R.....32 Hillcrest Avenue, Cranford, N. J.
Radinsky, I. J.....509 Belmont Avenue, Brooklyn, N. Y.
Schimpff, R. H.....142 East Center Street, Midland Park, N. J.
Wichmann, A. W.....53 DeKalb Avenue, White Plains, N. Y.

1933

Atlas, D.....1515 East 5th Street, Brooklyn, N. Y.
Beaton, D. H.....151 Forest Street, Kearny, N. J.
DeCoste, J. B.....39 East Ruby Avenue, Palisades Park, N. J.
DeViver, C. A.....185 East 1st Cliff Street, Somerville, N. J.
Hibner, M.....200 2nd Street, Jersey City, N. J.
Karson, S. B.....37 Chester Street, Brooklyn, N. Y.
Kayser, E. J.....1673 Gates Avenue, Brooklyn, N. Y.
Korany, J. A.....456 Fairmount Avenue, Newark, N. J.
McCluskey, V. I....5 West 63rd Street, New York, N. Y.
McGill, J. P.....199 Decker Avenue, Port Richmond, N. Y.
Morello, C. J.....303 East 46th Street, New York, N. Y.
Pollock, S...110-07 14th Road, College Point, L. I., N. Y.
Theuerer, H. C.....597 10th Avenue, New York, N. Y.
Weiner, J.....826 Fox Street, Bronx, N. Y.

1934

Anthony, R. S.....54 Morton Street, New York, N.Y.
Borgis, J. G.....715 Mack Street, Elizabeth, N. J.
Carey, J. W....348 So. Orange Avenue, Newark, N. J.
Dinkfeld, A. M...285 Maryland Avenue, Paterson, N. J.
Donato, J.....379 Van Brunt Street, Brooklyn, N. Y.
Gangi, F.....458 Paulison Avenue, Passaic, N. J.
Gerstel, S.....952 Kelly Street, Bronx, N. Y.
Gordon, P. L.....247 Hooper Street, Brooklyn, N. Y.
Haffeke, W. H.....620 61st Street, Brooklyn, N. Y.
Hagen, G.....7905 3rd Avenue, Brooklyn, N. Y.
Haratonik, W.....34-56 30th Street, Long Island City, N. Y.
Heinlein, E.....647 84th Street, Brooklyn, N. Y.
Levine, N. H.....3638 215th Street, Bayside, L. I.
Mark, E. W.....150 Beach Street S., Stapleton, S. I., N. Y.
Matt, W. J. Jr.....93 Hillside Avenue, Nutley, N. J.
Mautner, H. R.....234 East 33rd Street, N. Y.
Melaccio, F.....59-23 Ralph Street, Ridgewood, N. Y.
Moran, R. F.....574 Monroe Street, Brooklyn, N. Y.
Newgreen, K....21 West High Street, Somerville, N. J.
Olwig, F. C.....207 Daniel Low Terrace, Staten Island, N. Y.
Ploetz, A. O.....3421 99th Street, Corona, L. I., N. Y.
Pollert, W. J.....408 East 5th Street, New York, N. Y.
Ratner, G. B....210 West 71st Street, New York, N. Y.
Roman, A.....1418 President Street, Brooklyn, N. Y.
Scheiner, M.....342 East 15th Street, New York, N. Y.
Schiff, S.....137 Henry Street, New York, N. Y.
Smith, S. L.....1653 West 3rd Street, Brooklyn, N. Y.
Steen, H.....19 West 76th Street, New York, N. Y.

1935

Albert, H. I.....2164 72nd Street, Brooklyn, N. Y.
Audino, H.....16 Van Sicklen Street, Brooklyn, N. Y.
Beckelman, R. G.....1422 Nelson Avenue, Bronx, N. Y.
Brenner, A.....615 Grier Avenue, Elizabeth, N. J.
Drimer, D.....2016 Prospect Avenue, Brooklyn, N. Y.
Edman, W. M.....813 71st Street, Brooklyn, N. Y.
Greenspan, S.....13 Suffolk Street, New York, N. Y.
Kalifon, S. M.....1147 Manor Avenue, Bronx, N. Y.
Kashman, M.....319 Hooper Street, Brooklyn, N. Y.
Kelly, E. A...137 Front Street, Hempstead, L. I., N. Y.
Klotzky, B.....1460 Wilkins Avenue, Bronx, N. Y.
Kosinsky, J. J.....319 6th Street, Brooklyn, N. Y.
Kugel, W. F.....943 Grove Street, Elizabeth, N. J.
Laucius, J. F.....163 Fulton Street, Elizabeth, N. J.
Levine, B.....1161 Elder Avenue, Bronx, N. Y.
Levinson, S. E.....417 East 52nd Street, Brooklyn, N. Y.
Lovas, J. J.....1820 Greene Avenue, Brooklyn, N. Y.
Marcus, H.....2116 72nd Street, Brooklyn, N. Y.
Meier, J. B.....75 Beaumont Place, Newark, N. J.
Olsen, K.....4806 5th Avenue, Brooklyn, N. Y.
Penny, W. F....268 Palisade Avenue, Union City, N. J.
Rasmusson, M. H.....642 40th Street, Brooklyn, N. Y.
Rosen, G. A.....354 41st Street, Brooklyn, N. Y.
Schnettler, F. J.....28 Cook Street, Haledon, N. J.
Seiff, H. B.....2922 West 21st Street, Brooklyn, N. Y.
Silberman, A. A.....106 Bainbridge Street, Brooklyn, N. Y.
Spiegelman, A.....64 Mamaroneck Avenue, Mamaroneck, N. Y.
Stokien, E. J.....189-29 117th Road, St. Albans, N. Y.
Tosh, A. K.....c/o Pingry School, Elizabeth, N. J.
Towsley, L. M.....1250 Bay Ridge Parkway, Brooklyn, N. Y.
Weintraub, W.....219 Pulaski Street, Brooklyn, N. Y.
Weir, J. S.....19 Buchanan, Hillside, N. J.
Weiss, M.....1843 62nd Street, Brooklyn, N. Y.
Welling, M.....496 East 95th Street, Brooklyn, N. Y.

1936

Aronson, D.....1416 48th Street, Brooklyn, N. Y.
Becket, F. A.....Box 491, Wellwood Avenue, Lindenhurst, L. I., N. Y.
Benda, G. P.....454 Seneca Avenue, Brooklyn, N. Y.
Bergman, R. J.....581 Beck Street, Bronx, N. Y.
Blumenfeld, A.....8 East 126th Street, New York, N. Y.
Boothby, O. L.....357 9th Street, Brooklyn, N. Y.
Boross, S.....270 East 10th Street, New York, N. Y.
Czarnecki, J. D...10 Skillman Avenue, Jersey City, N. J.
Cooper, M.....1879 Crotona Avenue, Bronx, N. Y.
Dalton, W. A.....30-48 Academy Street, Astoria, L. I., N. Y.
Elkind, A.....380 East 29th Street, Paterson, N. J.
Elkind, N. T.....380 East 29th Street, Paterson, N. J.
Emtgholz, F.....185 Conover Street, Brooklyn, N. Y.
Etelman, H. I.....122 Howe Avenue, Passaic, N. J.
Gigante, M. A.....637 East 176th Street, Bronx, N. Y.
Gross, J. S...4703 New Utrecht Avenue, Brooklyn, N. Y.
Haller, S.....1025 Aldus Street, Bronx, N. Y.
Hengersberger, J.....549 East 148th Street, Bronx, N. Y.
Hill, J. A.....738 Howard Avenue, Brooklyn, N. Y.
Hochstein, C.....585 East 169th Street, Bronx, N. Y.
Hunger, M. R.....327 Powell Street, Brooklyn, N. Y.
Johannessen, A. B.....325 84th Street, Brooklyn, N. Y.
Kalmanowitz, M.....398 Ralph Avenue, Brooklyn, N. Y.
Karney, J.....3 Rutgers Place, New York, N. Y.
Kirschen, M.....844 Gates Avenue, Brooklyn, N. Y.
Langfelder, R. J...39 Pennington Avenue, Passaic, N. J.
Lindner, J. A...1708 Woodbine Street, Brooklyn, N. Y.
Novickas, J. S.....93 Meadow Street, Tarrytown, N. Y.
Nussbaum, A.....22 Hawthorne Avenue, Yonkers, N. Y.
Peterson, B. A....330 East 25th Street, New York, N. Y.

CHEMICAL ENGINEERING (Continued)

Rehll, J. W.....35-30 94th Street, Jackson Heights, L. I., N. Y.
Schmitt, A. H.....1449 Ferris Place, New York, N. Y.
Schmitt, P. H. Jr....1449 Ferris Place, New York, N. Y.
Schneider, A.....1831 Sterling Place, Brooklyn, N. Y.
Schramm, L. J.....117-07 130th Avenue, Richmond Hill, N. Y.
Simons, H.....1408 Franklin Avenue, Bronx, N. Y.
Tcatch, D.....113-51 212th Street, Bellaire, L. I., N. Y.
Tucker, A. I.....2751 Curtis Street, East Elmhurst, L. I., N. Y.
Vacca, G. N.....70 Peck Avenue, Newark, N. J.
Wald, N.....690 East 158th Street, Bronx, N. Y.

GENERAL SCIENCE

1932

Mechanical Engineering

Battista, W. P...570 West 144th Street, New York, N. Y.
Cohen, P. H.....44 East 52nd Street, Brooklyn, N. Y.
Gaynor, H. F...316 West 117th Street, New York, N. Y.
Gerling, E. A.....715 58th Street, Brooklyn, N. Y.
Gillim, W. G....135 Madison Avenue, Elizabeth, N. J.
Hertzlich, H.....178 Second Avenue, New York, N. Y.
Hilkene, H. P...863 Pavonia Avenue, Jersey City, N. J.
Holzer, A. W.....546 Devon Street, Arlington, N. J.
Jackman, J. T. Jr.....425 Prospect Street, Nutley, N. J.
Kearney, J. G.....2877 Roberts Avenue, Bronx, N. Y.
Kielblock, W.....7464 64th Lane, Glendale, L. I., N. Y.
Laitman, J.....249 East 51st Street, Brooklyn, N. Y.
Lasciak, C.....279 Hudson Street, New York, N. Y.
Leary, R. J.....16 Barrow Street, New York, N. Y.
Liebowitz, S.....1238 Morris Avenue, Bronx, N. Y.
Luffman, C. E.....10 4th Street, So. Orange, N. J.
Mangels, H. E.....109-70 200th Street, St. Albans, N. Y.
Melomo, A.....1421 67th Street, Brooklyn, N. Y.
Post, A. E.....11 East 7th Street, New York, N. Y.
Schmidt, E. H.....1112 Clay Avenue, Bronx, N. Y.
Solov, A.....172½ Lee Avenue, Brooklyn, N. Y.
Svuger, F.....83-17 63rd Avenue, Forest Hills West, L. I., N. Y.
Zieve, W. A.....45 Bay 23rd Street, Brooklyn, N. Y.

Civil Engineering

Bonnema, L. A.....18 Hobart Place, Garfield, N. J.
Brass, W. C.....43-14 21st Avenue, L. I. C., N. Y.
Burke, R. E.....56 Washington Avenue, Seaford, L. I., N. Y.
Cody, V. C.....66 Hope Avenue, Staten Island, N. Y.
Cousens, C. M.....87-72 111th Street, Richmond Hill, N. Y.
Disney, H. V.....111 Summit Avenue, Jersey City, N. J.
Dixon, W. W.....80 Brighton Avenue, Bloomfield, N. J.
Fitzgerald, G. M.....3315 Seymore Avenue, New York, N. Y.
Gigstad, K.....373 42nd Street, Brooklyn, N. Y.
Golombowsky, J. P...47 Irving Place, New York, N. Y.
Gomez, J. R.....74 Grant Street, Fairview, N. J.
Gragnola, J. R.....3745 Willett Avenue, Bronx, N. Y.
Grossman, I. S.....200 East 102nd Street, N. Y.
Guilmette, R. E.....552 Franklin Street, Elizabeth, N. J.
Gummerson, R.....373 42nd Street, Brooklyn, N. Y.
Jellinek, E. C...65 Wyoming Avenue, So. Orange, N. J.
Johnson, E. U.....2184 Strong Avenue, Bronx, N. Y.
Kisbany, G. H.....432 85th Street, Brooklyn, N. Y.
Macri, J. W.....43 Andrew Street, Bayonne, N. J.
McCaffrey, B.....681 Ocean Avenue, Brooklyn, N. Y.
Molnar, L. A.....412 East 65th Street, New York, N. Y.
Musilek, J. A.....3204 83rd Street, Jackson Heights, L. I., N. Y.
Schnitzbauer, J.....716 St. Anns Avenue, Bronx, N. Y.
Spinka, F. R....104-15 35th Avenue, Corona, L. I., N. Y.
Stein, F. C., Jr.....1791 Tacoma Street, Bronx, N. Y.
Taylor, R. L.....845 Walton Avenue, Bronx, N. Y.
Thorsen, O. A. C.....241 68th Street, Brooklyn, N. Y.
Tuscher, G.....1025 Trinity Avenue, Bronx, N. Y.
Tweedy, E. S...103-25 123rd Street, Richmond Hill, N. Y.
Waksman, H.....346 East 10th Street, New York, N. Y.
Wilson, H. C.....790 Riverside Drive, New York, N. Y.
Zuckerman, A....1587 West 4th Street, Brooklyn, N. Y.

1933

Mechanical Engineering

Bleckman, G. G.....104-30 120th Street, Richmond Hill, N. Y.
Cooke, V. G.....11 Palm Court, Brooklyn, N. Y.
Crane, H. H.....1299 Lincoln Place, Brooklyn, N. Y.
Ferrer, A. D.....175 Larch Avenue, Teaneck, N. J.
Figelman, B.....527 Putnam Avenue, Brooklyn, N. Y.
Gillick, Stephen.....195 Washington Street, Jersey City, N. J.
Gluck, A. P.....556 Eagle Avenue, Bronx, N. Y.
Graber, E. C...42-12 Ditmars Blvd., Astoria, L. I., N. Y.
Gustavson, S. T...241 Fountain Avenue, Brooklyn, N. Y.
Harris, H. I.....56 East 184th Street, Bronx, N. Y.
Hornby, C. R.....320 Fairmount Avenue, Jersey City, N. J.
Hotaling, R.....1112 72nd Street, Brooklyn, N. Y.
Kacmarcyk, F. M.....128 Temple Street, L. I. C., N. Y.
Levy, H.....18 Jacob Street, Newark, N. J.
Locke, J. S.....106 West 92nd Street, New York, N. Y.
Luceri, A. S.....1820 Lurting Avenue, Bronx, N. Y.
Mattson, C.....300 8th Avenue, Brooklyn, N. Y.
Melick, I. E.....Belle Mead, N. J.
Plaskowitz, H.....189 Ross Street, Brooklyn, N. Y.
Rocklein, G. W.....333 86th Street, Brooklyn, N. Y.
Sachse, W. J...87-16 124th Street, Richmond Hill, N. Y.
Sanders, G. K...143 Shepherd Avenue, Brooklyn, N. Y.
Schapiro, P.....842 Bushwick Avenue, Brooklyn, N. Y.
Schneider, C.....5120 19th Avenue, Brooklyn, N. Y.
Sherry, J. L.....136 Grant Avenue, Jersey City, N. J.
Spahn, C. F.....637 East 175th Street, Bronx, N. Y.
Svoboda, J. W.....74-39 44th Avenue, Elmhurst, L. I., N. Y.
Wagner, F. G.....1486 Bedford Avenue, Brooklyn, N. Y.

Civil Engineering

Abramson, M.....1032 46th Street, Brooklyn, N. Y.
Ashby, F. G....285 West 150th Street, New York, N. Y.
Badey, E. D....561 West 143rd Street, New York, N. Y.
Balaban, M. L.....669 Myrtle Avenue, Brooklyn, N. Y.
Baltera, A.....340 West 26th Street, New York, N. Y.
Bohan, J. J.....8 Wellesley Avenue, Yonkers, N. Y.
Brown, G. E.....900 Avenue C, Bayonne, N. J.
Brown, W. B.....2177 8th Avenue, New York, N. Y.
Brueck, P. F.....73 St. Pauls Place, Brooklyn, N. Y.
Butler, M. W.....22 Livingston Avenue, Yonkers, N. Y.
Caplan, D.....2970 Ocean Avenue, Brooklyn, N. Y.
Carroll, J. T.....1863 Menahan Street, Brooklyn, N. Y.
Casulli, A.....4112 14th Avenue, Brooklyn, N. Y.
Coloma, B. S...507 West 147th Street, New York, N. Y.
Colvin, C. D...15 Van Sicklen Avenue, Brooklyn, N. Y.
DeFrancesco, D.....532 East 184th Street, Bronx, N. Y.
Denner, N.....1465 Hoe Avenue, Bronx, N. Y.
Ekloff, E. E...31 High Street, Croton-on-Hudson, N. Y.
Fasullo, S.....61 Bleecker Street, Brooklyn, N. Y.
Ficker, J. J.....121 Bleecker Street, Jersey City, N. J.

GENERAL SCIENCE (Continued)

Fitzpatrick, J.....64 Jessup Place, New York, N. Y.
Gerringer, S.....160 West Kingsbridge Road, Bronx, N. Y.
Geyer, P.....218 West 16th Street, New York, N. Y.
Horan, H.....311 East 163rd Street, Bronx, N. Y.
Humphreys, J.....825 Eagle Avenue, Bronx, N. Y.
Idashkin, M.....105-20 75th Street, Ozone Park, L. I., N. Y.
Kosow, H.....385 S. 2nd Street, Brooklyn, N. Y.
Kuenzler, E. J.....5300 Hyatt Avenue, Maspeth, L. I., N. Y.
Kuznetzoff, I.....596 East 51st Street, Brooklyn, N. Y.
Lechterman, E.....119-37 Metropolitan Avenue, Kew Gardens, L. I., N. Y.
Magliato, P. J...1807 Bussing Avenue, New York, N. Y.
Mayer, S. A.....14 West 69th Street, New York, N. Y.
McCann, H. T.....2804 Decatur Avenue, Bronx, N. Y.
Mendelson, E.....3507 14th Avenue, Brooklyn, N. Y.
Moore, A. E.....147 S. Oxford Street, Brooklyn, N. Y.
Morano, V. S.....958 76th Street, Brooklyn, N. Y.
Neufeld, M.....1649 Bedford Avenue, Brooklyn, N. Y.
Perricelli, E. R.....873 East 181st Street, Bronx, N. Y.
Prime, G. H.....9107 216th Street, Queens Village, L. I., N. Y.
Quinn, I.....6009 19th Avenue, Brooklyn, N. Y.
Rouse, H. D....1275 New York Avenue, Brooklyn, N. Y.
Rubinson, E.....1489 Coney Island Avenue, Brooklyn, N. Y.
Sapiro, H.....14 Marcy Place, Bronx, N. Y.
Savage, A. J.....484 East 141st Street, New York, N. Y.
Schimpff, M. C.....11 Chester Avenue, Stewart Manor, L. I., N. Y.
Sells, W.....49 Hinsdale Street, Brooklyn, N. Y.
Shingler, H. A.....8517 89th Street, Woodhaven, N. Y.
Sigman, J.....49 Parkville Avenue, Brooklyn, N. Y.
Solotoroff, B.....1233 Evergreen Avenue, Bronx, N. Y.
Stafford, F.....1821 Longfellow Avenue, Bronx, N. Y.
Stewart, J.....95 Monticello Avenue, Jersey City, N. J.
Struyk, P. A.....1001 East 25th Street, Paterson, N. J.
Vaughan, H. E.....195 Roosevelt Avenue, Valley Stream, L. I., N. Y.
Wartelsky, J.....995 East 181st Street, Bronx, N. Y.
Watson, E.....364 83rd Street, Brooklyn, N. Y.
Wechter, W. H.....59 East 100th Street, N. Y.
Weissman, M.....393 Miller Avenue, Brooklyn, N. Y.

1934

Section I

Adams, H. K.....292 Midwood Court, Brooklyn, N. Y.
Baig, E. H.....10 Jefferson Place, Mount Vernon, N. Y.
Bardes, G.....271 Parkside Avenue, Brooklyn, N. Y.
Bergmeister, C. N...638 Fulton Street, Elizabeth, N. J.
Berlowitz, S....1149 Nostrand Avenue, Brooklyn, N. Y.
Birgy, Jacob....449 West 40th Street, New York, N. Y.
Brenner, F. G...9104 102nd Street, Richmond Hill, N. Y.
Calmel, L. R.....258 West 55th Street, New York, N. Y.
Campbell, J...4846 47th Street, Woodside, L. I., N. Y.
Christensen, J.....61 Lexington Avenue, Jersey City, N. J.
Cohen, S. J.....1238 Wheeler Avenue, New York, N. Y.
Dardick, D.....2504 Bronx Park East, Bronx, N. Y.
DeMaio, J. J.....1646 Park Avenue, New York, N. Y.
DiPrima, J.....544 Hart Street, Brooklyn, N. Y.
Driscoll, T. J.....217 Benziger Avenue, New Brighton, S. I., N. Y.
Dvorak, G. C.....4524 Park Avenue, Bronx, N. Y.
Dvorak, R. C...67-16 50th Avenue, Winfield, L. I., N. Y.
Edelstein, A.....610 Oak Terrace, New York, N. Y.
Fitzgerald, J. J.....1764 73rd Street, Brooklyn, N. Y.
Friedman, J.....226 East 15th Street, New York, N. Y.
Fromm, A. G.....1312 Clay Avenue, Bronx, N. Y.
Gadzuk, J.....339 East 14th Street, New York, N. Y.
Gamache, G. F.....3242 Decatur Avenue, Bronx, N. Y.
Martorano, P.....3317 99th Street, Corona, L. I., N. Y.
Mittenzwei, E. F....285 Cornelia Street, Brooklyn, N. Y.
Rosenholtz, M...1555 West 11th Street, Brooklyn, N. Y.
Shapiro, M...538A Willoughby Avenue, Brooklyn, N. Y.
Trenck, E. F...41 Hillside Avenue, New Rochelle, N. Y.
Wedeman, J.....133-48 117th Street, Ozone Park, L. I., N. Y.

Section II

Goldberg, S.....482 Riverdale Avenue, Brooklyn, N. Y.
Gomez, C. A.....206 34th Street, Woodcliff, N. J.
Gould, M.....1604 St. Johns Place, Brooklyn, N. Y.
Greenhaus, L. C.....1015 Leggett Avenue, New York, N. Y.
Halbreich, H.....260 Osborn Street, Brooklyn, N. Y.
Hess, J.....240 Irving Avenue, Brooklyn, N. Y.
Hildebrand, J. A.....619 West 143rd Street, New York, N. Y.
Ihlenburg, H.....183 Etna Street, Brooklyn, N. Y.
Jahoda, F. W.....22-75 19th Street, Astoria, L. I., N. Y.
Jordan, A.....258 Broadway, Newark, N. J.
Kleinfelder, W. C.....169 Fingerboard Road, Rosebank, S. I., N. Y.
Knox, V. E.....1172 Stratford Avenue, Bronx, N. Y.
LaForte, M. J.....814 Avenue V, Brooklyn, N. Y.
Lehmann, P. C.....723 Willow Avenue, Hoboken, N. J.
Lowey, L. L.....97-10 25th Avenue, E. Elmhurst, L. I., N. Y.
Mazzuccam, J. A....398 East 152nd Street, Bronx, N. Y.
McKeith, P. E.....92-19 202nd Street, Richmond Hill, N. Y.
O'Brien, J.....144-35 Roosevelt Avenue, Flushing, L. I., N. Y.
Owens, J. E.....1122 Avenue N, Brooklyn, N. Y.
Panebianco, J.....342 88th Street, Brooklyn, N. Y.
Rohlich, G. A.....812 Buchman Avenue, Ridgewood, L. I., N. Y.
Scherr, M.....6959 74th Street, Middle Village, L. I., N. Y.
Sikofsky, G. L.....1206 East New York Avenue, Brooklyn, N. Y.
Smith, T. B.....1780 West 9th Street, Brooklyn, N. Y.
Tonero, L. V.....345 West Market Street, Newark, N. J.
Wexler, S...601 Metropolitan Avenue, Brooklyn, N. Y.

Section III

Alexander, F. H.....119-21 Metropolitan Avenue, Kew Gardens, L. I., N. Y.
Benish, W. R...Westchester Avenue, Thornwood, N. Y.
Blum, A. E.....544 Hemlock Street, Brooklyn, N. Y.
Patlove, M.....221 Lewis Avenue, Brooklyn, N. Y.
Peters, G. H.....280 North Columbus Avenue, Freeport, L. I., N. Y.
Petersen, J. H.....342 Eldert Street, Brooklyn, N. Y.
Phelan, J...238 Hamilton Avenue, White Plains, N. Y.
Pleasants, B.....311 Palisade Avenue, Union City, N. J.
Ramer, N. G...511 West 170th Street, New York, N. Y.
Rampino, M. A.....288 East 152nd Street, Bronx, N. Y.
Renstrom, R. R.....12 Lincoln Place, Brooklyn, N. Y.
Roth, M. E.....1000 Fox Street, Bronx, N. Y.
Rowland, W....1115 Madison Avenue, New York, N. Y.
Sandor, R.....38 McLean Street, Passaic, N. J.
Schick, H. L.....234 Cornelia Street, Brooklyn, N. Y.
Shapiro, J. R.....89 Seigel Street, Brooklyn, N. Y.
Silberman, B. H.....320 Seabreeze Avenue, Brooklyn, N. Y.
Silverman, S. H....196 East 95th Street, Brooklyn, N. Y.
Simons, W.....12 Bacot Street, Jersey City, N. J.
Smith, F. R...91 Pemberwick Road, Greenwich, Conn.
Spanier, E.....935 43rd Street, Brooklyn, N. Y.
Stubler, A. J.....1162 Broad Street, Newark, N. J.
Wade, D. V.....10-48 46th Road, L. I. C., N. Y.
Weber, A.....1865 62nd Street, Brooklyn, N. Y.
Wechsler, A. A.....389 Monroe Street, Brooklyn, N. Y.
Zawadowicz, S. J.....187 Washington Street, Jersey City, N. J.

GENERAL SCIENCE (Continued)

1935

Section I

Arata, C. A.....6605 Tenth Avenue, Brooklyn, N. Y.
Belkin, I.....180 Floyd Street, Brooklyn, N. Y.
Blau, L.....2366 27th Street, Astoria, L. I., N. Y.
Cassell, J. A.....720 50th Street, Brooklyn, N. Y.
Cohen, S.....78 Belmont Avenue, Brooklyn, N. Y.
Couse, J. C.....663 Virgil Avenue, Ridgefield, N. J.
Cupaivolo, P. A.....2361 First Avenue, New York, N. Y.
Curtis, F., Jr.....85-61 102nd Street, Richmond Hill, N. Y.
DiPrima, A.....544 Hart Street, Brooklyn, N. Y.
Divan, W. J.....224 Senator Street, Brooklyn, N. Y.
Duffy, C.....555 Ovington Street, Brooklyn, N. Y.
Duncan, J. L.....37-57 80th Street, Jackson Heights, L. I., N. Y.
Ehrlich, W.....261 Floyd Street, Brooklyn, N. Y.
Eitelberg, S.....104 Heyward Street, Brooklyn, N. Y.
Fallon, T. L.....2150 29th Street, Astoria, L. I., N. Y.
Famoso, J.....544 61st Street, Brooklyn, N. Y.
Farkas, H.....103 Second Avenue, New York, N. Y.
Fexas, M. E.....18 Lawrence Avenue, Brooklyn, N. Y.
Foltan, L.....1024 Bryant Avenue, Bronx, N. Y.
Frisch, S.....1479 39th Street, Brooklyn, N. Y.
Ginsberg, S. .....Parksville, N. Y.
Goldstein, N.....137 Stockton Street, Brooklyn, N. Y.
Greenberg, J. H.....7119 19th Avenue, Brooklyn, N. Y.
Gudel, J. F.....574 73rd Street, Brooklyn, N. Y.
Hally, E. F.....3301 Farragut Road, Brooklyn, N. Y.
Horbund, I.....2845 East 6th Street, Brooklyn, N. Y.
Jacobs, M.....1965 Vyse Avenue, Bronx, N. Y.
Korn, W.....2361 81st Street, Brooklyn, N. Y.
Levine, J. G.....1512 Eastern Parkway, Brooklyn, N. Y.
Morgan, A. L.....1458 East 56th Street, Brooklyn, N. Y.
Schubel, K. E.....15 West 91st Street, New York, N. Y.

Section II

Blankstein, A.....2015 Clinton Avenue, Bronx, N. Y.
Blumberg, C.....9 St. Mark's Place, New York, N. Y.
Happ, E. G.....34 Livingston Street, Brooklyn, N. Y.
Harris, L. L.....360 St. Ann's Avenue, Bronx, N. Y.
Horowitz, B.....1723 West 5th Street, Brooklyn, N. Y.
Kahlenberg, A.....6213 23rd Avenue, Brooklyn, N. Y.
Kelly, P. J.....379 Washington Avenue, Astoria, L. I., N. Y.
Kivo, S.....3451 Giles Place, Bronx, N. Y.
Knipper, F. E.....550 Bainbridge Street, Brooklyn, N. Y.
Kochman, E. J.....438 East 70th Street, New York, N. Y.
Koehl, J.....684 Ralph Avenue, Brooklyn, N. Y.
Korn, N. L.....529 Forest Avenue, West Brighton, S. I., N. Y.
Kreisinger, P. S.....216 Madison Avenue, Clifton, N. J.
Kroll, L. A.....1931 62nd Street, Brooklyn, N. Y.
Leff, S.....150 East 165th Street, Bronx, N. Y.
Lesniak, J.....153 East 4th Street, New York, N. Y.
Leverock, S. C.....101-45 114th Street, Richmond Hill, N. Y.
Lewis, I. D.....21 East 110th Street, New York, N. Y.
Linsky, D. J.....1135 54th Street, Brooklyn, N. Y.
Lipman, A. L.....285 West 261st Street, New York, N. Y.
Mayer, J. B.....311 West 112th Street, New York, N. Y.
Mendizza, G. R.....409 69th Street, Brooklyn, N. Y.
Moriarty, M. M.....2109 Walton Avenue, Bronx, N. Y.
Muzelak, M. N...317 East 92nd Street, New York, N. Y.
Nelson, A. J.....928 71st Street, Brooklyn, N. Y.

Section III

Cohen, R.....958 East 10th Street, Brooklyn, N. Y.
Crosby, J.....25 East 177th Street, Bronx, N. Y.
Hannon, J. B.....654 74th Street, Brooklyn, N. Y.
Lessem, J.....935 Kelly Street, Bronx, N. Y.
Nagoshiner, G.....1168 Vyse Avenue, Bronx, N. Y.
Nelson, J.....556 St. Paul's Place, Bronx, N. Y.
Nesti, A. J.....546 Brace Avenue, Perth Amboy, N. J.
Odin, V. W.....3225 110th Street, Corona, L. I., N. Y.
Paolillo, D. J.....454 Carlton Avenue, Brooklyn, N. Y.
Pellegrini, W. U.....22 King Street, New York, N. Y.
Pettersen, E. A.....10 Beech Street, Cranford, N. J.
Politi, C. J.....1988 Cruger Avenue, Bronx, N. Y.
Poock, G. C.....32 St. Marks Avenue, Brooklyn, N. Y.
Reuss, W. P...130 Highpoint Avenue, Weehauken, N. J.
Ringel, P.....565 Elton Street, Brooklyn, N. Y.
Roulett, J. P.....23 Davis Street, Long Island City, N. Y.
Saraniero, E. J.....5205 19th Avenue, Brooklyn, N. Y.
Scharf, H.....605 Rockaway Avenue, Brooklyn, N. Y.
Schmidt, F. W.....257 Linden Street, Brooklyn, N. Y.
Schuyler, W. F.....Times Plaza Hotel, 510 Atlantic Avenue, Brooklyn, N. Y.
Stephensen, F.....66 Rutherford Place, North Arlington, N. J.
Stiglitz, J.....47 Morton Street, New York, N. Y
Stolle, A. D.....119 So. Broadway, White Plains, N. Y.
Sverdlik, I.....144-32 Liberty Avenue, Jamaica, L. I., N. Y.
Sweeney, J. J.....541 47th Street, Brooklyn, N. Y.
Tarnowsky, E.....24 Lincoln Street, Yonkers, N. Y.
Tracey, F. A.....275 Harrison Avenue, Jersey City, N. J.
Wolin, M.....105-35 156th Street, Jamaica, L. I., N. Y.

1936

Section I

Abrams, H. W...3222 Country Club Road, Bronx, N. Y.
Ackert, G. F.....35-28 34th Street, Long Island City, N. Y.
Adams, J. C.....237 Monticello Avenue, Jersey City, N. J.
Alvy, D. N.....1055 Tiffany Street, Bronx, N. Y.
Andreas, O. A., Jr.....66-24 Forest Avenue, Ridgewood, N. Y.
Anselmo, T....23-49 36th Street, Long Island City, N. Y.
Arth, P. F.....1922 Gates Avenue, Brooklyn, N. Y.
Attardi, J. J.....339 East 12th Street, New York, N. Y.
Aussenhofer, F. J.....271 East 197th Street, Bronx, N. Y.
Bank, H.....383 South 1st Street, Brooklyn, N. Y.
Begelman, C.....615 Kosciusko Street, Brooklyn, N. Y.
Berg, D. W.....1018 43rd Street, Brooklyn, N. Y.
Berler, I.....530 New Jersey Avenue, Brooklyn, N. Y.
Blass, E. J.....4619 Fifth Avenue, Brooklyn, N. Y.
Botta, A.....411 West 44th Street, New York, N. Y.
Cantor, L.....1703 St. Johns Place, Brooklyn, N. Y.
Caspersson, S. A.....529 Dean Street, Brooklyn, N. Y.
Cohen, H. I.....1018 Hoe Avenue, Bronx, N. Y.
Coonan, L. B....3879 Flatlands Avenue, Brooklyn, N. Y.
Cupples, J. G.....136 16th Street, Brooklyn, N. Y.
DeAngelis, A.....502 East 189th Street, Bronx, N. Y.
Eichenbaum, L.....531 Greene Avenue, Brooklyn, N. Y.
Engstrom, L. O.....340 47th Street, Brooklyn, N. Y.
Fink, M.....1657 Montgomery Avenue, New York, N. Y.
Fiscella, F.....1409 Leland Avenue, Bronx, N. Y.
Flynn, J. T.....352 West 110th Street, New York, N. Y.
Gangi, S. R.....63 Stone Avenue, New York, N. Y.
Gibbons, W. J.....129 Schermerhorn Street, Brooklyn, N. Y.
Ginesin, S.....518 Hopkinson Avenue, Brooklyn, N. Y.
Glassman, S.....1802 Stillwell Avenue, Brooklyn, N. Y.

GENERAL SCIENCE (Continued)

Gunkel, R. E.....1222 Rogers Avenue, Brooklyn, N. Y.
Haberman, M. A.....710 East 235th Street, New York, N. Y.
Kirchner, E.....99-42 41st Avenue, Corona, L. I., N. Y.
Lake, F. J.....128 Parkville Avenue, Brooklyn, N. Y.
McArthur, T. J.....3242 33rd Street, Long Island City, N. Y.
Riordan, J. A.....4343 45th Street, Long Island City, N. Y.
Rivetz, M.....539 Christopher Avenue, Brooklyn, N. Y.
Wilson, E. B.....2621 Cortelyou Road, Brooklyn, N. Y.

Section II

Alfano, P.....6728 Ridge Boulevard, Brooklyn, N. Y.
Bernstein, S.....203 East 174th Street, Bronx, N. Y.
Branigan, J. P.....202-03 36th Avenue, Bayside, L. I., N. Y.
Brushansky, A.....565 Saratoga Avenue, Brooklyn, N. Y.
Bunevich, R.....74 Howe Avenue, Passaic, N. J.
Capes, L. G.....196 St. Johns Avenue, Rosebank, S. I., N. Y.
Chertock, G.....370 Hinsdale Street, Brooklyn, N. Y.
Herdman, A.....470 West 166th Street, New York, N. Y.
Hornby, L. A.....31 Belmont Avenue, Jersey City, N. J.
Howard, G. F...6137 Delafield Avenue, New York, N. Y.
Hutton, H. H., Jr.....146 Allen Place, New Brighton, S. I., N. Y.
Kazazian, L. C.....Maple Avenue, Basking Ridge, N. J.
Kligfield, G.....482 Herzl Street, Brooklyn, N. Y.
Koplowitz, M.....2430 Benson Avenue, Brooklyn, N. Y.
Krebs, H.....5210 Snyder Avenue, Brooklyn, N. Y.
Kroatshunck, J.....226 Second Avenue, New York, N. Y.
Krueger, P. C., Jr.....2107 Tomlinson Avenue, New York, N. Y.
Kugelmas, H.....100 East 7th Street, New York, N. Y.
Landlin, A. D...149 West Tremont Avenue, Bronx, N. Y.
Lemler, W. J.....287 East 141st Street, Bronx, N. Y.
Levi, M.....3816 Neptune Avenue, Brooklyn, N. Y.
Lindheimer, W...114 East 101st Street, New York, N. Y.
Lipari, R.....518 East 13th Street, New York, N. Y.
Luckner, L. B.....8713 Lewis Avenue, Elmhurst, L. I., N. Y.
Marchese, F. J.....485 Central Avenue, Brooklyn, N. Y.
Martinez, J.....941 Hoe Avenue, Bronx, N. Y.
Massab, G. L.....132 Amity Street, Brooklyn, N. Y.
McAleer, J. J.....70 East 123rd Street, New York, N. Y.
McIver, C. R.....65 Post Avenue, New York, N. Y.
McNerney, J. J..539 West 150th Street, New York, N. Y.
Meyer, W. F.....654 East 161st Street, Bronx, N. Y.
Miller, H. G.....300 East 88th Street, New York, N. Y.
Morace, A. W...321 West 76th Street, New York, N. Y.
Morano, G.....11-75 11th Street, Long Island City, N. Y.
Morgenstern, W....2136 Crotona Parkway, Bronx, N. Y.
Muhlsteff, F. G...100 West 105th Street, New York, N. Y.
Oestereicher, W. S.....1946 77th Street, Brooklyn, N. Y.
Pansini, P. M.....16 Kings Place, Brooklyn, N. Y.
Passel, L.....1323 Intervale Avenue, Bronx, N. Y.
Stevens, D. F.....65 Romaine Avenue, Jersey City, N. J.
Wildman, P.....1936 East 8th Street, Brooklyn, N. Y.

Section III

Perlstein, L.....1753 71st Street, Brooklyn, N. Y.
Phillips, J. C.....2316 Bedford Avenue, Brooklyn, N. Y.
Ribman, J. E.....6412 19th Avenue, Brooklyn, N. Y.
Roberts, J. A.....171 East 74th Street, New York, N. Y.
Rogove, H.....7 Charles Street, White Plains, N. Y.
Rosen, J. J.....22 St. Marks Place, New York, N. Y.
Ruchman, J.....834 Hewitt Place, New York, N. Y.
Ryan, R. T.....401 19th Street, Brooklyn, N. Y.
Schmidt, F. J.....334 Wilson Avenue, Brooklyn, N. Y.
Schwartz, R. M.....1561 44th Street, Brooklyn, N. Y.
Segelman, A. L.....85 Union Avenue, Brooklyn, N. Y.
Siegel, L.....96 Grant Avenue, Jersey City, N. J.
Sigman, S.....72 Lewis Street, New York, N. Y.
Stern, A. B.....2880 East 6th Street, Brooklyn, N. Y.
Stolerov, S.....185 Rodney Street, Brooklyn, N. Y.
Sundermeyer, J. K.....123 North 13th Street, Paterson, N. J.
Taras, P.....848 Finton Avenue, New York, N. Y.
Temple, H...2574 Bainbridge Avenue, New York, N. Y.
Thompson, W. N.....23 Bogert Street, West Englewood, N. J.
Thuroff, F. H.....2323 Merchant Street, Astoria, L. I., N. Y.
Trocker, S.....2700 Bronx Park East, Bronx, N. Y.
Trodo, W. C.....8829 Fort Hamilton Parkway, Brooklyn, N. Y.
Tucker, H.....570 Willoughby Avenue, Brooklyn, N. Y.
Urick, N.....634 Prospect Avenue, Bronx, N. Y.
Vinci, C. A.....229 Sackett Street, Brooklyn, N. Y.
Ward, F. F...1508 Amsterdam Avenue, New York, N. Y.
Wesolowski, E.....551 Hancock Street, Brooklyn, N. Y.
Westman, J. F.....419 East 153rd Street, Bronx, N. Y.
White, F. E.....3119 103rd Street, Corona, L. I., N. Y.
Yasowitz, M.....581 Linwood Street, Brooklyn, N. Y.
Zabbara, L.....41-09 99th Street, Corona, L. I., N. Y.
Zwecher, A.....1058 Simpson Street, Bronx, N. Y.

ELECTRICAL ENGINEERING

1932

Anderson, W. A...240 Winthrop Street, Brooklyn, N. Y.
Antos, M. J.....893 Knickerbocker Avenue, Brooklyn, N. Y.
Bateman, J. F.....93 Central Avenue, Orange, N. J.
Behnken, R. W.....32-22 41st Street, Astoria, L. I., N. Y.
Belzer, J.....1205 Eastern Parkway, Brooklyn, N. Y.
Brunck, P. V.....124 Corbin Avenue, Jersey City, N. J.
Craig, J. A.....298 Hamilton Place, Hackensack, N. J.
Davis, J.....217 Governor Street, Paterson, N. J.
Fethi, S. I.....607 West 190th Street, New York, N. Y.
Hager, F. M.....7517 11th Avenue, Brooklyn, N. Y.
Hoecke, P. D., Jr.....114-15 139th Street, So. Ozone Park, L. I., N. Y.
Kallman, K.....321 West 11th Street, New York, N. Y.
Kearney, T. F.....2970 Bainbridge Avenue, Bronx, N. Y.
Kelly, M. J.....371 East 142nd Street, Bronx, N. Y.
Kuenzler, E. A...725 Hillside Avenue, Grantwood, N. J.
Lewthwaite, R. B.....422 Rochelle Avenue, Rochelle Park, N. J.
Loewel, M. E.....254 Ovington Avenue, Brooklyn, N. Y.
Lundie, E. S.....6140 Saunders Street, Rego Park, Elmhurst, L. I., N. Y.
McDermott, J. A.....219 East 237th Street, New York, N. Y.
Michal, J.....1725 Davidson Avenue, Bronx, N. Y.
Nicholides, E. C.....441 East 161st Street, Bronx, N. Y.
Niles, C. H.....87 Smith Street, Freeport, L. I., N. Y.
Osrin, J.....1950 Daly Avenue, Bronx, N. Y.
Pappe, J. B.....1722 Grove Street, Brooklyn, N. Y.
Pasquale, J. A.....39 King Street, Brooklyn, N. Y.
Perlstein, H.....1753 71st Street, Brooklyn, N. Y.
Quinn, J.....330 East 126th Street, New York, N. Y.
Remington, R. S.....139 Steuben Street, East Orange, N. J.
Richter, F. J.....332 West 44th Street, New York, N. Y.
Schneider, C.....1574 Leland Avenue, Bronx, N. Y.
Schulz, H. F.....4331 Elbertson Street, Elmhurst, L. I., N. Y.
Sheridan, H. J.....97-05 103rd Avenue, Richmond Hill, N. Y.
Slezak, S. T.....324 East 6th Street, New York, N. Y.

ELECTRICAL ENGINEERING (Continued)

Stewart, C. F.....666 East 224th Street, New York, N. Y.
Tomacheck, M.....21-03 Steinway Avenue, Astoria, L. I., N. Y.
Van Blerkom, S. D...1319 Rosedale Avenue, Bronx, N. Y.
Windrum, R. W.....817 41st Street, Brooklyn, N. Y.
Yacknowitz, S.....English Town, N. J.
Ziegberman, J. L...417 Kinderman Place, Bronx, N. Y.

1933

Balacek, F. C.....414 East 77th Street, New York, N. Y.
Balsam, H.....2 Ellwood Street, New York, N. Y.
Bertero, G. A.....74 East 4th Street, Brooklyn, N. Y.
Billman, E. F.....195 Fountain Avenue, Brooklyn, N. Y.
Brady, R. J.....230 Seeley Street, Brooklyn, N. Y.
Brosche, M. F.....180 West Street, Englewood, N. J.
Burdian, W....41-22 52nd Street, Woodside, L. I., N. Y.
Carroll, J. J.....169 Park Place, Brooklyn, N. Y.
Cobianchi, T.....156 Lewis Street, Paterson, N. J.
Cuttica, H.....408 West 46th Street, New York, N. Y.
Dela Cruz, M. P.....347 East 31st Street, New York, N. Y.
Dichter, M.....702 Ocean View Avenue, Brooklyn, N. Y.
Distefano, E.....867 Hunts Point Avenue, Bronx, N. Y.
Dunlop, H. T.....415 Berwick Street, Orange, N. J.
Egli, J. J.....258 East 165th Street, Bronx, N. Y.
Ellis, T. S.....98 West 183rd Street, Bronx, N. Y.
Feinstein, I.....337 East 18th Street, New York, N. Y.
Fichter, M. O.....1421 Sterling Place, Brooklyn, N. Y.
Fox, J. E.....42 Second Street, Fair Lawn, N. J.
Franqui, A.....1878 Seventh Avenue, New York, N. Y.
Freericks, L.....1170 Gerard Avenue, Bronx, N. Y.
Friedenthal, A.....133 Hegeman Avenue, Brooklyn, N. Y.
Frost, A. F.....31-21 29th Street, Long Island City, N. Y.
Geipel, W. E.....259 Euclid Avenue, Brooklyn, N. Y.
Gillim, J. W.....135 Madison Avenue, Elizabeth, N. J.
Graber, E.....42-12Ditmars Boulevard, Astoria, L. I., N. Y.
Gruner, F. R.....79 Manchester Avenue, Paterson, N. J.
Hamm, W. J.....54 Lynhurst Avenue, Rosebank, S. I., N. Y.
Holmlin, H. W.....218 91st Street, Brooklyn, N. Y.
La Rose, W. M...1791 New York Avenue, Brooklyn, N. Y.
Laschiver, H.....832 Whitlock Avenue, Bronx, N. Y.
Ludwig, A.....34 Horatio Street, New York, N. Y.
Oswald, L. R.....55 Hanson Place, Brooklyn, N. Y.
Parodi, V.....38 MacDougal Street, New York, N. Y.
Peavey, R. L.....3822 Bailey Avenue, Bronx, N. Y.
Pellecchia, L.....248 Sixth Avenue, Brooklyn, N. Y.
Phelan, E. A.....121 Tuers Avenue, Jersey City, N. J.
Piano, J. J.....433 20th Street, West New York, N. J.
Prucha, H. E.....58 Suffolk Road, Island Park, L. I., N. Y.
Ritter, E.....3240 33rd Street, Astoria, L. I., N. Y.
Schoell, W.....1247 Webster Avenue, Bronx, N. Y.
Schroeder, L. G.....Admont Avenue, Franklin Square, N. Y.
Sherman, J. B.....847 Manida Street, Bronx, N. Y.
Slavik, F. C...2553 33rd Street, Long Island City, N. Y.
Soller, H. W.....215 West 23rd Street, New York, N. Y.
Spies, E. R.....121 Hillcrest Road, Mt. Vernon, N. Y.
Treichlinger, E. R....152 West 168th Street, Bronx, N. Y.
Van Rosenbergh, W.....306 Van Houten Street, Paterson, N. J.
Velleman, S. S.....326 St. Johns Place, Brooklyn, N. Y.
Wagner, W. W.....191-19 109th Road, Hollis, L. I., N. Y.
Weinberg, S.....24 Bay 31st Street, Brooklyn, N. Y.
Wenzousky, I.....c/o A. M. S., 9 St. Marks Place, New York, N. Y.

1934

Section I

Blam, L. L.....25-12 Steinway Avenue, Long Island City, N. Y.
Brodsky, J.....2179 Washington Avenue, Bronx, N. Y.
Brown, J. A.....83 West 188th Street, Bronx, N. Y.
Cahill, J. V.....562 West 189th Street, New York, N. Y.
Chrisman, M. D.....408 Ellison Street, Paterson, N. J.
Coffin, A. G.....158 East 38th Street, Brooklyn, N. Y.
Constable, J.....101-20 107th Street, Richmond Hill, N. Y.
Daubenschmidt, E. R.....75 West 183rd Street, Bronx, N. Y.
Duke, H.....2011 Morris Avenue, Bronx, N. Y.
Ekstrand, S. O.....18 Cole Street, Bergenfield, N. J.
Fischer, O. L.....3444 Knox Place, Bronx, N. Y.
Frederikson, J.....877 61st Street, Brooklyn, N. Y.
Goazempis, M. G...1929 Davidson Avenue, Bronx, N. Y.
Groves, M. W.....338 Eighth Avenue, Pelham, N. Y.
Grutzner, W. E...397 Prospect Avenue, Brooklyn, N. Y.
Kolna, K. J.....549 36th Street, Woodcliff, N. J.
Klein, M.....82 Ravine Avenue, Yonkers, N. Y.
Koplowitz, S. M.....3043 Emmons Avenue, Brooklyn, N. Y.
Krause, H. H.....270 Columbia Avenue, Jersey City, N. J.
Kupferman, E. J.....3560 Rochambeau Avenue, Bronx, N. Y.
Lampkin, R. J...140 Bradhurst Avenue, New York, N. Y.
Latzoni, S. A.....459 River Drive, Garfield, N. J.
Levinson, M.....8745 26th Avenue, Brooklyn, N. Y.
Matthysse, I. F...2566 Bainbridge Avenue, Bronx, N. Y.
Mesel, S.....190 Cator Avenue, Jersey City, N. J.
Stark, J.....3722 98th Street, Corona, L. I., N. Y.

Section II

Dorigo, L. C.....734 Country Avenue, Secaucus, N. J.
Dublin, L. L.....1735 Sterling Place, Brooklyn, N. Y.
Ehrenberg, N. S.....444 Gregory Avenue, Passaic, N. J.
McGuire, L. T.....649 Bay Ridge Parkway, Brooklyn, N. Y.
McManamay, J. J...63 West 184th Street, Bronx, N. Y.
Miller, J. R.....469 East 185th Street, Bronx, N. Y.
Mond, L.....705 East 9th Street, New York, N. Y.
Noloboff, M.....587 Jerome Street, Brooklyn, N. Y.
O'Brien, G. W.....237-30 Edmore Avenue, Queens Village, L. I., N. Y.
Rath, W. F.....5579 Hudson Boulevard, North Bergen, N. J.
Reimann, R.....1433 57th Street, Brooklyn, N. Y.
Ribreau, G. E.....4335 Lowery Street, Long Island City, N. Y.
Ritchie, D.....15 Riverdale Avenue, Yonkers, N. Y.
Schlang, K.....244 Riverside Drive, New York, N. Y.
Schmitt, H. G.....62-37 80th Road, Ridgewood, N. Y.
Smith, E. V.....1153 Grand Concourse, Bronx, N. Y.
Smythe, W. H. A.....15 Marion Road, Verona, N. J.
Spinelli, F. P.....7 Glen Street, Grantwood, N. J.
Tesoriero, J.....7711 Fifth Avenue, Brooklyn, N. Y.
Tolivar, C. A.....3016 Clarendon Road, Brooklyn, N. Y.
Webb, W. B.....4223 Grace Avenue, Bronx, N. Y.
Weinstein, J.....278 Henry Street, New York, N. Y.
Weiss, M.....99 Manhattan Avenue, Brooklyn, N. Y.
Wield, P.....179-03 Jamaica Avenue, Jamaica, L. I., N. Y.
Wille, A. J.....205-24 110th Avenue, Hollis, L. I., N. Y.

1935

Section I

Abel, M.....231 Watkins Street, Brooklyn, N. Y.
Aruck, M.....442 East 9th Street, New York, N. Y.
Bauman, H.....219 East 7th Street, New York, N. Y.
Bergler, R. J.....1981 La Fontaine Avenue, Bronx, N. Y.
Brune, W. J.....831 Elton Avenue, New York, N. Y.
Buckley, E. J.....29 Stuyvesant Avenue, New York, N. Y.
Burke, A. W.....545 West 111th Street, New York, N. Y.
Carr, R. W.....69 Greeley Avenue, New Dorp, S. I., N. Y.
Cataldo, V. M.....436 East 118th Street, New York, N. Y.
Coffey, J. E.....8018 14th Avenue, Brooklyn, N. Y.
Coleman, I. M.....89 Seaman Avenue, New York, N. Y.
Costa, J. F.....7811 19th Avenue, Brooklyn, N. Y.
Cryan, L. M.....412 Logan Avenue, Bronx, N. Y.
Currie, J. E.....28 Celeste Court, Brooklyn, N. Y.
Cuttica, H.....408 West 46th Street, New York, N. Y.
Dlugatch, I.....325 DeKalb Avenue, Brooklyn, N. Y.
Dutra, F. A.....140-40 Beech Avenue, Flushing, L. I., N. Y.
Epstein, L.....25 East Clarke Place, Bronx, N. Y.
Fleischer, A. E.....3752 89th Street, Jackson Heights, L. I., N. Y.
Franke, H. K.....595 St. Anns Avenue, Bronx, N. Y.
Gartelman, L. H.....1350 Stebbins Avenue, Bronx, N. Y.
Gelbart, A.....219 Keen Street, Paterson, N. J.
Genneken, C...46 Reservoir Avenue, Wallington, N. J.
Goode, H. D.....25 Burnet Street, Newark, N. J.
Gorin, L.....3100 Hubbard Street, Brooklyn, N. Y.
Gorman, C. E.....153-24 Sanford Avenue, Flushing, L. I., N. Y.
Gravdal, N.....5711 Eighth Avenue, Brooklyn, N. Y.
Hayes, W. L.....80 Dewitt Place, Hackensack, N. J.
Irwin, B.....79 Vermilyea Avenue, New York, N. Y.
Isherwood, H.....2067 38th Street, Astoria, L. I., N. Y.
Kornbluth, S. S.....1291 Grant Avenue, Bronx, N. Y.
Krieger, B.....3810 Park Avenue, Bronx, N. Y.
Neely, T. H.....244-26 137th Avenue, Rosedale, L. I., N. Y.
Piro, V. D.....1249 Tinton Avenue, Bronx, N. Y.
Stern, R.....23-25 Goodrich Street, Long Island City, N. Y.
Straub, H. W.....New Bridge Road, Hackensack, N. J.
Thorsen, T. E.....844 42nd Street, Brooklyn, N. Y.
Tinkel, L. J.....825 Tinton Avenue, Bronx, N. Y.

Section II

Cooper, V. D.....878 Delamere Place, Brooklyn, N. Y.
Douthit, R.....140 Bradhurst Avenue, New York, N. Y.
Folgner, H. A.....146-33 20th Road, Whitestone, L. I., N. Y.
Grutzner, H.....397 Prospect Avenue, Brooklyn, N. Y.
Herman, F. A.....475 So. Columbus Avenue, Mount Vernon, N. Y.
Keegan, J. H.....59 South Street, Newark, N. J.
Kluz, W. C.....106 Catskill Avenue, Yonkers, N. Y.
Landsverk, A. J.....935 Broadway, North Bergen, N. J.
Lindheimer, E. M.....5201 94th Street, Elmhurst, L. I., N. Y.
Long, L. J.....224 Sullivan Street, New York, N. Y.
Lopow, L.....563 Ashford Street, Brooklyn, N. Y.
Mackinnon, R. M...5 West 63rd Street, New York, N. Y.
McMahon, J. J.....1236 Clay Avenue, New York, N. Y.
Niver, A.....328 East 15th Street, New York, N. Y.
Noelle, H. C.....1133 Teller Avenue, Bronx, N. Y.
Offt, O.....3130 81st Street, Jackson Heights, L. I., N. Y.
Orellana, I.....8249 233rd Street, Queens Village, L. I., N. Y.
Osterhalz, D. M.....60-15 Woodbine Street, Ridgewood, N. Y.
Perlman, I.....1076 Faile Street, Bronx, N. Y.
Quick, W. S.....518 Trinity Place, Westfield, N. J.
Roiter, A.....285 Madison Street, New York, N. Y.
Rotella, F.....700 East 163rd Street, Bronx, N. Y.
Scanlon, R. P.....282 Reservoir Place, Bronx, N. Y.
Schmelzer, W.....343 New York Avenue, Jersey City, N. J.
Slack, W. G.....2837 Roebling Avenue, Bronx, N. Y.
Slechta, A. G.....881 East 179th Street, Bronx, N. Y.
Swisher, J. V.....745 Knickerbocker Avenue, Brooklyn, N. Y.
Tanner, T. L.....311 Oak Avenue, Oakwood Heights, S. I., N. Y.
Tschupp, M. A.....291 Devoe Street, Brooklyn, N. Y.
Visco, P. H.....303 Sixth Avenue, New York, N. Y.
Westerstrom, C. A.....968 Gillies Avenue, North Bergen, N. J.
White, E. G.....120-36 195th Street, St. Albans, L. I., N. Y.
Wiener, N.....2357 Davidson Avenue, Bronx, N. Y.
Wilcox, D.....2444 Walton Avenue, Bronx, N. Y.
Zuckerman, H.....464 East 145th Street, Bronx, N. Y.

1936

Section I

Adler, H.....1265 East 8th Street, Brooklyn, N. Y.
Berg, S. E.....9413 74th Street, Woodhaven, N. Y.
Bojarsky, G.....2802 West 28th Street, Brooklyn, N. Y.
Burke, J. J.....649 Dahill Road, Brooklyn, N. Y.
Callen, A. S.....368 Third Avenue, New York, N. Y.
Clair, S.....1-35 53rd Street, Brooklyn, N. Y.
Dorman, I.....355 Chester Street, Brooklyn, N. Y.
Duguid, R. B.....167 Linden Boulevard, Brooklyn, N. Y.
Edstrom, C. O.....17 East 11th Street, Huntington Station
Espenschied, W. L.....151 Sip Avenue, Jersey City, N. J.
Esten, L.....55 Hanson Place, Brooklyn, N. Y.
Franz, R.....506 East 82nd Street, New York, N. Y.
Gademann, O. M.....520 Evergreen Avenue, Brooklyn, N. Y.
Garrison, V. L.....91 Andros Avenue, Mariners Harbor
Geisler, J. G.....114 Suffolk Road, Island Park, L. I., N. Y.
Ghigna, L. P.....4284 Third Avenue, Bronx, N. Y.
Gill, J. J.....37-06 65th Street, Woodside, L. I., N. Y.
Goldberg, M.....618 Franklin Street, Elizabeth, N. J.
Haddock, P. C.....109-11 109th Street, Ozone Park, L. I., N. Y.
Haje, A. J.....134-15 220th Street, Springfield Gardens, L. I., N. Y.
Halliday, R. S.....60-80 56th Street, Maspeth, L. I., N. Y.
Hippe, A. H.....2600 University Avenue, Bronx, N. Y.
Holdsworth, W.....2210 Harmon Street, Brooklyn, N. Y.
Jacobs, F. F.....615 Flatbush Avenue, Brooklyn, N. Y.
Jucker, P.....317 West 14th Street, New York, N. Y.
Pappas, L. A.....475 Fourth Avenue, New York, N. Y.
Paul, E. E.....21-24 Second Avenue, Astoria, L. I., N. Y.
Schaible, G. J.....427 Fairmount Avenue, Jersey City, N. J.
Wilson, G. H.....104-67 125th Street, Richmond Hill, N. Y.

ELECTRICAL ENGINEERING (Continued)

Section II

Blumberg, W. F...3711 98th Street, Corona, L. I., N. Y.
Borch, O. W.....334 53rd Street, Brooklyn, N. Y.
Bryn, R. H.....1012 Ocean Avenue, Brooklyn, N. Y.
Frascella, T. J.....779 Livonia Avenue, Brooklyn, N. Y.
Katz, N. N.....459 Willoughby Avenue, Brooklyn, N. Y.
Keinen, J. H.....565 West 139th Street, New York, N. Y.
Kelly, T. .....105-15 130th Street, Richmond Hill, N. Y.
Kilmer, R. L.....103-21 169th Street, Jamaica, L. I., N. Y.
Kitt, R. I.....1230 Sheridan Avenue, Bronx, N. Y.
Kollman, E. C.....647 Tenth Avenue, New York, N. Y.
Kovacsevics, G. M.....96 Derby Street, Valley Stream, L. I., N. Y.
Krivis, A. J.....2541 Olinville Avenue, Bronx, N. Y.
Kugler, L.....527 7th Street, West New York, N. J.
Lamorte, F.....9-22 119th Street, College Point, L. I., N. Y.
Larkin, J. P.....340 West 17th Street, New York, N. Y.
Levine, G. P.....167 Heyward Street, Brooklyn, N. Y.
Lukanitsch, L. R.....618 West 135th Street, New York, N. Y.
Mager, I.....487 Columbus Avenue, New York, N. Y.
Matson, D. L., Jr.....50 Turner Place, Brooklyn, N. Y.
Mihalik, J. J.....52 East Clifton Avenue, Clifton, N. J.
Milark, H. W.....102-10 135th Street, Richmond Hill, N. Y.
Minakakis, B. G.....43 Pennsylvania Avenue, Long Beach, L. I., N. Y.
Munn, A. J.....151 Jay Avenue, Lyndhurst, N. J.
Normann, J. A.....1142 Hancock Street, Brooklyn, N. Y.
Oakwood, E. F.....311 East 38th Street, Brooklyn, N. Y.
O'Donnell, J. J., Jr.....473 18th Street, Brooklyn, N. Y.
Ostendorf, H.....220 West 71st Street, New York, N. Y.
Perlman, I.....2351 East 24th Street, Brooklyn, N. Y.
Peters, F. W.....60-74 68th Avenue, Ridgewood, L. I., N. Y.
Pigott, H. M.....349 41st Street, Brooklyn, N. Y.
Pulley, L. A.....406 West 5th Street, Roselle, N. J.

Section III

Carlin, J. G.....225 Burns Street, Forest Hills, L. I., N. Y.
Kaminsky, M.....126 Clara Street, Brooklyn, N. Y.
Larson, H. W.....9404 Fort Hamilton Parkway, Brooklyn, N. Y.
Medoff, J. I.....262 Hewes Street, Brooklyn, N. Y.
Pelletier, R. A.....25-23 31st Avenue, Astoria, L. I., N. Y.
Rappon, E. L.....313 Rivington Street, New York, N. Y.
Reed, P.....1754 Anthony Avenue, Bronx, N. Y.
Riccio, A. J.....60 Wright Avenue, Jersey City, N. J.
Rich, A. J.....178 Blake Avenue, Brooklyn, N. Y.
Richtarcsik, F.....96 Clinton Place, Yonkers, N. Y.
Rodewald, F. W.....1672 Davidson Avenue, Bronx, N. Y.
Rosenblatt, S.....636 East 136th Street, Bronx, N. Y.
Scanlon, J. J.....21 Walnut Terrace, Bloomfield, N. J.
Schumacher, H.....80 16th Street, Brooklyn, N. Y.
Schwarzer, E.....62 Sheriff Street, New York, N. Y.
Schachmut, W. C.....34-20 Grand Avenue, Astoria, L. I., N. Y.
Shafircff, H.....2871 West 30th Street, Brooklyn, N. Y.
Shaw, Q. E.....3280 Waldo Avenue, New York, N. Y.
Shenker, S.....837 47th Street, Brooklyn, N. Y.
Smith, A. R.....90 Pinehurst Avenue, New York, N. Y.
Somerville, J.....484 8th Street, Brooklyn, N. Y.
Springer, G. T.....117 34th Street, Woodcliff, N. J.
Taylor, R. G.....144 South Palisade Avenue, Union City, N. J.
Velleman, J.....326 St. Johns Place, Brooklyn, N. Y.
Wacholder, B.....363 Vernon Avenue, Brooklyn, N. Y.
Wandel, C. R., Jr.....9611 133rd Avenue, Ozone Park, L. I., N. Y.
Warren, C. A.....967 West 4th Street, Plainfield, N. J.
Way, M. T.....31 Joval Court, Brooklyn, N. Y.
Wegele, R. V.....1836 Second Avenue, New York, N. Y.
Weiss, J.....3102 Neptune Avenue, Brooklyn, N. Y.
Weisendanger, E. J.....89 Douglas Avenue, Yonkers, N. Y.
Zenoni, W. E...2750 Paulding Avenue, New York, N. Y.

INSTITUTE OF TECHNOLOGY

1932

Chemical Engineering

Goldfinger, L. D.....30 Bay 35th Street, Brooklyn, N. Y.
Levy, J.....489 East 25th Street, Paterson, N. J.
Kosolapoff, G.....391 Central Park West, New York, N. Y.

Civil Engineering

Dinkjian, N.....597 Bergenline Avenue, West New York, N. J.
Drago, E. A.....176 Grandview Avenue, Mariners Harbor, S. I., N. Y.
Fabry, W. C.....28 Peck Avenue, Newark, N. J.
Lanigan, J. J.....338 East 123rd Street, New York, N. Y.
O'Donnell, W. J.....117-34 140th Street, So. Ozone Park, L. I., N. Y.
Ward, F. X.....1295 Union Avenue, New York, N. Y.

Electrical Engineering

Behn, E.....73 Hemlock Street, Brooklyn, N. Y.
Bradshaw, C. W.....234 Main Street, Highland Falls, N. Y.
Briansky, D.....331 Sheffield Avenue, Brooklyn, N. Y.
Burns, W. J.....24 Prospect Street, Port Washington, L. I., N. Y.
Cottony, H. W.....235 West 110th Street, New York, N. Y.
Ginsberg, A. M...967 East 10th Street, Brooklyn, N. Y.
Goldman, R.....4119 13th Avenue, Brooklyn, N. Y.
Grebe, H. L.....115 Scheerer Avenue, Newark, N. J.
Kalisher, T., Jr.....375 Second Avenue, Lyndhurst, N. J.
Kaune, H. L.....257 Woodworth Avenue, Yonkers, N. Y.
Langham, M. L.....Park Avenue and West Street, Mamaroneck, N. Y.
Mastropole, A. J.....428 West 163rd Street, New York, N. Y.
Mundel, A. B.....787 Crotona Park North, Bronx, N. Y.
Neuschaefer, G. C.....2221 Haviland Avenue, New York, N. Y.
Rapisarda, A. F.....824 East 220th Street, Bronx, N. Y.
Shemin, G. D.....5912 20th Avenue, Brooklyn, N. Y.
Stumpf, G. H.....1733 Garfield Street, Bronx, N. Y.
Tannenbaum, J.....2403 Benson Avenue, Brooklyn, N. Y.
Townsend, H. C.....Howells, N. Y.
Wallace, J.....764 Dawson Street, Bronx, N. Y.
Zeitz, A.....264 Berriman Street, Brooklyn, N. Y.

INSTITUTE OF TECHNOLOGY (Continued)

Mechanical Engineering

Bailiff, J.....5005 43rd Avenue, Woodside, L. I., N. Y.
Eddy, W. T., Jr.....23 Beech Street, East Orange, N. J.
Levy, S.....2795 Fulton Street, Brooklyn, N. Y.

1933

Chemical Engineering

Bogart, M. J. P...558 Sagamore Avenue, Teaneck, N. J.
Cooper, S. S.....335 So. 5th Street, Brooklyn, N. Y.
Dutot, H. E.....305 East 40th Street, New York, N. Y.
Engel, A.....651 West 178th Street, New York, N. Y.
Kushner, J. B.....232 Cypress Avenue, Bronx, N. Y.
Lambert, P.....15 West 67th Street, New York, N. Y.
Lawless, S. A.....427 Hancock Street, Brooklyn, N. Y.
Liebmann, M.....106 East 51st Street, Brooklyn, N. Y.
Mischansili, M. S.....17 Bond Street, Wallington, N. J.
Nerken, A. I.....1695 Topping Avenue, Bronx, N. Y.
Paz, A. R.....20 St. Marks Place, New York, N. Y.
Schneiderman, M.....2152 72nd Street, Brooklyn, N. Y.
Weissenberg, A.....2800 Bronx Park East, Bronx, N. Y.

Civil Engineering

Carbone, A. A...69 Fourth Street, New Rochelle, N. Y.
Edwards, M. G...2432 East 14th Street, Brooklyn, N. Y.
Gluck, H. A.....450 Ray Street, Freeport, L. I., N. Y.
Jamison, T. E.....23 Redmond Avenue, Bayshore, L. I., N. Y.
Karathanasis, N...154 East 33rd Street, New York, N. Y.
Lagreco, C. J.....1044 Jefferson Avenue, Brooklyn, N. Y.
Platts, H. H.....38 Sylvan Street, Rutherford, N. J.
Solins, D.....3728 Poplar Avenue, Sea Gate Gardens, Brooklyn, N. Y.
Stepsis, J. S.....489 Logan Street, Brooklyn, N. Y.
Sternlieb, E. I.....1028 New York Avenue, Brooklyn, N. Y.

Electrical Engineering

Brawer, J.....568 Broadway, Paterson, N. J.
Costello, F. J.....2656 Bainbridge Avenue, Bronx, N. Y.
DiGiovanni, H. J...2280 Baihgate Avenue, Bronx, N. Y.
Ernest, J. H. C.....3 North 4th Street, Paterson, N. J.
Greenspan, M...155 Myrtle Avenue, Jersey City, N. J.
Inslerman, F. A...337 East 34th Street, New York, N. Y.
Jensen, H. O.....280 Riverside Drive, New York, N. Y.
Keller, E. H.....667 Jefferson Place, Bronx, N. Y.
Kropp, C. H.....117 East 15th Street, New York, N. Y.
McKeever, S. K.....95 Chase Avenue, Yonkers, N. Y.
Mily, C. J.....273 East 236th Street, New York, N. Y.
Queen, H. J.....106 Utica Avenue, Brooklyn, N. Y.
Rigrod, W. W.....2440 Bronx Park East, Bronx, N. Y.
Rosenstock, M. J.....701 West 179th Street, New York, N. Y.
Ryan, E. H.....3118 Snyder Avenue, Brooklyn, N. Y.
Sarver, E.....1028 Rutland Road, Brooklyn, N. Y.
Schneider, H. C.....761 East 156th Street, Bronx, N. Y.
Shottenfeld, R.....3233 Fulton Street, Brooklyn, N. Y.
Stitelman, J.....128 Bay 28th Street, Brooklyn, N. Y.
Watkins, J.....165 East 104th Street, New York, N. Y.

Mechanical Engineering

Bauser, L. E.....9150 114th Street, Richmond Hill, N. Y.
Bessio, O.....555 Newark Avenue, Jersey City, N. J.
Denari, E. J.....8921 Ridge Boulevard, Brooklyn, N. Y.
Falciola, L. J.....408 3rd Street, Union City, N. J.
Gerow, C. F.....531 Craig Avenue, Tottenville, S. I., N. Y.
Hinton, E. D.....74 Gard Avenue, Bronxville, N. Y.
Romlein, W. J.....116 Princeton Street, Nutley, N. J.
Schoenfeld, E., Jr.....Lancaster Avenue, Montrose, N. Y.

1934

Section I

Bramwell, F.....7 Glenada Place, Brooklyn, N. Y.
Ciesielski, C. P.....305 Wyona Street, Brooklyn, N. Y.
Dunsay, S. H.....675 East 233rd Street, Bronx, N. Y.
Fromowitz, I.....601 Oak Terrace, New York, N. Y.
Goldstein, S.....1849 74th Street, Brooklyn, N. Y.
Green, L.....578 River Street, Paterson, N. J.
Kaplan, S.....314 Fair Street, Paterson, N. J.
Kinkel, J. W.....109-31 205th Street, Hollis, L. I., N. Y.
Kleban, S. J.....2194 Cedar Avenue, Bronx, N. Y.
Kuchinsky, I.....171 Meade Avenue, Passaic, N. J.
LeVine, Harry D...766 Belmont Avenue, Brooklyn, N. Y.
Pinsker, I.....292 Brook Avenue, Bronx, N. Y.
Poignand, M. W.....62 Palmer Street, Passaic, N. J.
Schwartz, S.....1547 Longfellow Avenue, Bronx, N. Y.
Shilitz, S.....735 Dewey Avenue, West New York, N. J.
Simon, J.....215 Governor Street, Paterson, N. J.
Skelly, J. F.....1514 Albany Avenue, Brooklyn, N. Y.
Steinmetz, J. J.....Box 40, Montrose, N. Y.
Sykora, W. S...31-51 41st Street, Long Island City, N. Y.
Taylor, N. P.....Monsey, N. Y.
Torop, R.....1050 Lowell Street, Bronx, N. Y.
Wamser, C. A.....25-86 44th Street, Long Island City, N. Y.
Winick, D. S.....1501 Bryant Avenue, Bronx, N. Y.

Section II

Abt, C. F.....451 Academy Street, Astoria, L. I., N. Y.
Amols, I.....467 East 169th Street, Bronx, N. Y.
Bihler, D. W. B.....3738 Olinville Avenue, Bronx, N. Y.
Bollinger, A. J.....606 New Jersey Avenue, Point Pleasant Beach, N. J.
Book, J. E.....2483 University Avenue, Bronx, N. Y.
Brenner, M. M.....676 Tinton Avenue, Bronx, N. Y.
Cohen, M. H.....331 East 31st Street, Paterson, N. J.
Connelly, W.....134 Munro Boulevard, Valley Stream, L. I., N. Y.
De Biase, A.....535 East 5th Street, New York, N. Y.
Drutman, J.....642 Lafayette Avenue, Brooklyn, N. Y.
Dublin, M.....1735 Sterling Place, Brooklyn, N. Y.
Friedberg, B.....154 Monroe Street, Brooklyn, N. Y.

INSTITUTE OF TECHNOLOGY (Continued)

Ginsberg, M. M.....967 East 10th Street, Brooklyn, N. Y.
Giovanello, P. H.....9506 Farragut Road, Brooklyn, N. Y.
Grayman, R.....2800 Bronx Park East, Bronx, N. Y.
Greenbaum, M.....907 East 169th Street, Bronx, N. Y.
Hirsch, H. T.....242 East 19th Street, New York, N. Y.
Infortunio, J.....1060 53rd Street, Brooklyn, N. Y.
Itkin, K.....8753 26th Avenue, Brooklyn, N. Y.
Jackson, D. W.....20 Sammis Avenue, Babylon, L. I., N. Y.
Jannuzzi, P....627 Bramhall Avenue, Jersey City, N. J.
Kaplan, H.....814 East 163rd Street, Bronx, N. Y.
Kay, B.....1318 Stebbins Avenue, Bronx, N. Y.
Kendall, R. H.....110 Manchester Avenue, Paterson, N. J.
Kihn, H.....98 Grant Street, Passaic, N. J.
Kittelman, E. J.....1151 St. Lawrence Avenue, Bronx, N. Y.
Klug, H. A.....2251 Powell Avenue, New York, N. Y.
Kraft, B.....471 Gregory Avenue, Passaic, N. J.
Larson, W. E.....9803 197th Street, Hollis, L. I., N. Y.
Leon, R. K.....878 Eastern Parkway, Brooklyn, N. Y.
Millman, A. B.....3374 12th Avenue, Brooklyn, N. Y.
Petersen, P. H.....102-17 129th Street, Richmond Hill, N. Y.
Rosenfeld, A.....1112 Gerard Avenue, Bronx, N. Y.

Section III

Amatneek, K.....66 West 116th Street, New York, N. Y.
Biband, R. E.....2224 Homer Avenue, Bronx, N. Y.
Inman, C. H.....33-25 Whitestone Avenue, Flushing, L. I., N. Y.
Lasser, M.....568 Linden Boulevard, Brooklyn, N. Y.
Leslie, F. B.....8856 Commonwealth Boulevard, Bellerose, L. I., N. Y.
Levitzky, W.....259 East 10th Street, New York, N. Y.
Licursi, V. L.....503 McNeil Avenue, Inwood, L. I., N. Y.
Lieblich, M.....2023 78th Street, Brooklyn, N. Y.
Lipschitz, M.....4612 12th Avenue, Brooklyn, N. Y.
Lupinski, E. M.....34 Charles Street, South River, N. J.
Lyttle, J. V.....3408 Barker Avenue, New York, N. Y.
Magill, J. T.....441 Jefferson Avenue, Brooklyn, N. Y.
McCaffrey, W. T....Pond Eddy, Sullivan County, N. Y.
Milusick, A. S.....24-32 32nd Street, Astoria, L. I., N. Y.
Morea, T. A...4118 48th Avenue, Long Island City, N. Y.
Muck, B.....857 Crotona Park North, Bronx, N. Y.
Oill, B.....1294 Grant Avenue, Bronx, N. Y.
Oliver, D. F.....9519 132nd Street, Richmond Hill, N. Y.
Plunkett, G. J.....432 73rd Street, Brooklyn, N. Y.
Remy, V. J.....392 3rd Street, Brooklyn, N. Y.
Rubinsky, M. A...2816 West 19th Street, Brooklyn, N. Y.
Schwortz, E.....273 Dumont Avenue, Brooklyn, N. Y.
Scully, J. J...845 Amsterdam Avenue, New York, N. Y.
Shoor, S.....115 Avenue N, Brooklyn, N. Y.
Slobodow, J....134 Manhattan Avenue, Brooklyn, N. Y.
Stevens, W. C.....1850 85th Street, Brooklyn, N. Y.
Swertloff, S.....475 Linden Boulevard, Brooklyn, N. Y.
Terry, G. C.....143-56 Sanford Avenue, Flushing, L. I., N. Y.
Tobol, G.... .....910 Union Avenue, Bronx, N. Y.
Wylie, R. A.....6924 Narrows Avenue, Brooklyn, N. Y.

1935

Section I

Atherton, F.....174 Osborn Road, Harrison, N. Y.
Axelrod, M.....107-13 118th Street, Richmond Hill, N. Y.
Baecher, B. J.....90-49 52nd Avenue, Elmhurst, L. I., N. Y.
Baranoff, M.....460 Throop Avenue, Brooklyn, N. Y.
Barry, A. G.....33 Purdy Street, Harrison, N. Y.
Berlin, A.....4314 Snyder Avenue, Brooklyn, N. Y.
Berres, D. S.....2991 Ripple Street, Brooklyn, N. Y.
Cardenas, L. F...810 Main Street, Bradley Beach, N. J.
Cayaves, P. F...432 West 38th Street, New York, N. Y.
Chertov, R.....472 Myrtle Avenue, Coytesville, N. J.
Conners, B. J.....125 Claremont Avenue, Mount Vernon, N. Y.
Cornacoff, I.....81 Tulip Street, Passaic, N. J.
D'Elia, M. P.....1225 St. Johns Place, Brooklyn, N. Y.
Dubin, M.....2330 Ryder Avenue, Bronx, N. Y.
Ellis, W. A.....104-26 124th Street, Richmond Hill, N. Y.
Evans, L. M.....South Boulevard, Nyack, N. Y.
Fischler, A.....3066 East 5th Street, Brooklyn, N. Y.
Forsythe, T.....358 West 122nd Street, New York, N. Y.
Friedland, N.....2800 Bronx Park East, Bronx, N. Y.
Gartenberg, J.....684 West 3rd Street, Plainfield, N. J.
Gladstone, J.....1320 St. Johns Place, Brooklyn, N. Y.
Golder, F. E.....18 Locust Avenue, Port Washington, L. I., N. Y.
Goldman, L.....38 Myrtle Avenue, Spring Valley, N. J.
Gordon, M.....1912 62nd Street, Brooklyn, N. Y.
Gouguell, B. M...66 West 107th Street, New York, N. Y.
Lask, G.....67 Grafton Street, Brooklyn, N. Y.
Lethi, H. J.....1181 Walton Avenue, Bronx, N. Y.
Skolnick, S. H.....604 Beech Terrace, Bronx, N. Y.
Zahn, A. W.....43 Lakeside Drive, Rockville Center, L. I., N. Y.

Section II

Flaks, S. J.....89 Middleton Street, Brooklyn, N. Y.
Gould, M. L.....515 Avenue O, Brooklyn, N. Y.
Graus, H.....1512 Eastern Parkway, Brooklyn, N. Y.
Grunfeld, E. A.....40-60 Gleane Street, Elmhurst, L. I., N. Y.
Guttenmacher, D....529 Sutter Avenue, Brooklyn, N. Y.
Hankin, H. G. L.....579 East 178th Street, Bronx, N. Y.
Hartman, B. K.....86 Longview Avenue, Hackensack, N. J.
Henricksen, A. M...7205 Tenth Avenue, Brooklyn, N. Y.
Hilbert, E. A.....289 Cook Avenue, Yonkers, N. Y.
Hirschman, P.....131 East 169th Street, Bronx, N. Y.
Horowitz, W.....74 East 7th Street, New York, N. Y.
Hubner, J.....1120 Washington Avenue, Bronx, N. Y.
Iannone, A. J.....256 New Street, Orange, N. J.
Jackson, H. G.....La Grande Avenue, Fanwood, N. J.
Jageler, W. H...210 Evergreen Avenue, Brooklyn, N. Y.
Johnson, C. H.....909 40th Street, Brooklyn, N. Y.
Kaplan, S. J.....2024 Benedict Avenue, Bronx, N. Y.
King, J. J.....685 Sterling Place, Brooklyn, N. Y.
Kisbany, E.....432 85th Street, Brooklyn, N. Y.
Kostriza, J. A.....80 Brewster Street, Stapleton, S. I., N. Y.
Kumerdank, A. W...239 Battery Avenue, Brooklyn, N. Y.
Landum, A. H...874 East 224th Street, New York, N. Y.
Leahy, J. X.....206 Nunda Avenue, Jersey City, N. J.
Lehning, T. C.....34-14 33rd Street, Long Island City, N. Y.
Levine, I.....71 Lake Street, Portchester, N. Y.
Levine, L.....488 Willoughby Avenue, Brooklyn, N. Y.
Levitzky, J.....109 Clara Street, Brooklyn, N. Y.
Levy, S.....69 Mangin Street, New York, N. Y.
Leyes, C. E.....347 Danford Avenue, Jersey City, N. J.
Malter, C..... ...55 Avenue C, New York, N. Y.
McQuilkin, J. H.....314 East 206th Street, Bronx, N. Y.
Mofsenson, J.....1363 47th Street, Brooklyn, N. Y.
Murphy, C. G....141 Livingston Avenue, Yonkers, N. Y.
Philip, F. P.....349 East 17th Street, New York, N. Y.
Rooney, J. A.....Box 126, Valhalla, N. Y.
Sidoti, F. S.....335 East 55th Street, New York, N. Y.
Stefano, N. M.....122 Glen Avenue, Sea Cliff, N. Y.
Weiss, I. H.....1163 St. Johns Place, Brooklyn, N. Y.

INSTITUTE OF TECHNOLOGY (Continued)

Section III

Chibka, C.....2440 Radcliff Avenue, New York, N. Y.
Cohen, C.....393 Williams Avenue, Brooklyn, N. Y.
Hurd, R. W...East Allendale Avenue, Allendale, N. J.
Lindberg, V. B.....776 46th Street, Brooklyn, N. Y.
Lipschitz, J. S.....2295 Morris Avenue, Bronx, N. Y.
Lipschitz, M.....726 West Side Avenue, Jersey City, N. J.
Lipsky, R.....49 West 91st Street, New York, N. Y.
Lovenheim, E. P...1321 St. Johns Place, Brooklyn, N. Y.
Mazurkiewicz, S.....191 17th Street, Brooklyn, N. Y.
McGuiness, T. P...1668 East 10th Street, Brooklyn, N. Y.
Merl, S.....232 Hart Street, Brooklyn, N. Y.
Mitchell, H. B.....15 Marlborough Road, Oceanside, N. Y.
Mitchell, W. L.....213 Hudson Avenue, Brooklyn, N. Y.
Molloy, C. T.....1749 Kimball Street, Brooklyn, N. Y.
Moser, C. H.....50 Broadway, Rockville Center, L. I., N. Y.
Motejzik, C...25-34 43rd Street, Long Island City, N. Y.
Munroe, D.....58 Marion Avenue, Rockville Center, L. I., N. Y.
Nicholsberg, C....914 Eastern Parkway, Brooklyn, N. Y.
Nissenbaum, M.....1050 DeKalb Avenue, Brooklyn, N. Y.
Partridge, W.....148 N. Clinton Street, Poughkeepsie, N. Y.
Pavlacka, C. J.....1807 Crotona Avenue, Bronx, N. Y.
Penso, L. E...Crestwood Place, Great Neck, L. I., N. Y.
Peterson, J. D.....485 West 3rd Avenue, Roselle, N. J.
Pisetzner, M.....311 East 10th Street, New York, N. Y.
Reich, C. F.....162 Canaan, Carbondale, Pa.
Reynolds, T. W.....326 High Street, Passaic, N. J.
Ricci, J. J.....379 Second Street, Jersey City, N. J.
Ross, J. A.....362 17th Street, Brooklyn, N. Y.
Ross, M.....24-54 28th Street, Astoria, L. I., N. Y.
Skrek, F.....56 Paulson Avenue, Ridgefield Park, N. J.
Sottosanti, J. S.....8012 13th Avenue, Brooklyn, N. Y.

Section IV

Brenner, H.....10 No. Eighth Avenue, Mount Vernon, N. Y.
Domin, J. J.....13 Woodland Drive, Hempstead, L. I., N. Y.
Kessler, L.....1962 Clinton Avenue, New York, N. Y.
Kronisch, L.....117 East 7th Street, New York, N. Y.
Ruzika, J. W.....624 Fourth Street, Lyndhurst, N. J.
Schechter, B.....544 Bedford Avenue, Brooklyn, N. Y.
Schwartz, F.....1268 East New York Avenue, Brooklyn, N. Y.
Schwarzer, K. P.....164-27 77th Avenue, Flushing, L. I., N. Y.
Seifried, D. B.....Main Street, New City, N. Y.
Shalita, M.....865 DeKalb Avenue, Brooklyn, N. Y.
Shapiro, F.....482 Hancock Street, Brooklyn, N. Y.
Shapiro, J. H.....91 Columbia Avenue, Passaic, N. J.
Slamovitz, M. I.....567 Gregory Avenue, Passaic, N. J.
Stein, D.....53 Myrtle Avenue, Passaic, N. J.
Strauss, H. A.....219-05 Jamaica Avenue, Queens Village, N. Y.
Sueshohz, H. D....5813 Church Avenue, Brooklyn, N. Y.
Sullivan, V.....372 13th Street, Brooklyn, N. Y.
Sussman, W. A.....88-42 Union Turnpike, Glendale, L. I., N. Y.
Tedesco, J. T...1404 Prospect Avenue, New York, N. Y.
Thompson, E. N...576 Atlantic Avenue, Brooklyn, N. Y.
Turkin, H.....509 Jerome Street, Brooklyn, N. Y.
Weinstein, H. H.....7813 68th Avenue, Middle Village, Queens, N. Y.
Weinstein, S. R.....60 Avenue D, New York, N. Y.
Weyand, R. W.....7612 Colonial Road, Brooklyn, N. Y.
Wolf, C. A.....166 Stone Avenue, Yonkers, N. Y.
Wolf, M.....98 Cannon Street, New York, N. Y.
Wolltuch, S.....480 East 27th Street, Paterson, N. J.
Wolsky, A.....260 Tompkins Avenue, Brooklyn, N. Y.
Zeitzolf, S.....1863 69th Street, Brooklyn, N. Y.

ARCHITECTURE

1932

Anthes, P. S.....2559 Grand Concourse, Bronx, N. Y.
Balcumes, B.....471 Senator Street, Brooklyn, N. Y.
Boccio, J. M.....11 Delaware Avenue, Flushing, L. I., N. Y.
Bochinski, L.....118 Fulton Street, Boonton, N. J.
Ciringione, P.....3022 Cruger Avenue, Bronx, N. Y.
Corrado, A. J.....2216 West 10th Street, Brooklyn, N. Y.
Cronshey, K. T.....109 Speedwell Avenue, Morris Plains, N. J.
Davis, L. J.....2685 University Avenue, Bronx, N. Y.
De Marco, J.....57 Bayard Street, New York, N. Y.
De Nais, J.....77 West 55th Street, Bayonne, N. J.
De Vita, A.....161½ 23rd Street, Brooklyn, N. Y.
Dickson, A. J.....201 West 81st Street, New York, N. Y.
Di Stasio, A.....6 Clinton Street, Port Chester, N. Y.
Feiner, B.....594 Union Avenue, Bronx, N. Y.
Feinstein, B.....1819 Weeks Avenue, Bronx, N. Y.
Figlozzi, J. J.....408 East 2nd Street, Brooklyn, N. Y.
Fisher, D.....314 Bay 10th Street, Brooklyn, N. Y.
Folding, J.....2530 95th Street, Jackson Heights, L. I., N. Y.
Forlano, E. P.....25-15 Wilbur Avenue, Long Island City, N. Y.
Fregosi, A. J.....685 East 224th Street, Bronx, N. Y.
Gellman, I.....325 Stanton Street, New York, N. Y.
Gilardino, T. B...443 19th Street, West New York, N. J.
Glassberg, H. I.....1334 Eastern Parkway, Brooklyn, N. Y.
Goldgraben, S. B.....501 West 183rd Street, New York, N. Y.
Goldman, H.....94-61 133rd Street, Ozone Park, L. I., N. Y.
Golos, L. P.....213 Dahill Road, Brooklyn, N. Y.
Hamilton, E.....164 Sprague Avenue, Tottenville, S. I., N. Y.
Konzelman, J. J.....854 East 230th Street, Bronx, N. Y.
Lepetri, W.....303 Hendrix Street, Brooklyn, N. Y.
Marino, J. A.....28 King Street, New York, N. Y.
Marraccino, J., Jr.....221 Linden Street, Brooklyn, N. Y.
Mirowitz, I. H.....132 So. 1st Street, Brooklyn, N. Y.
Nakos, J.....243 East 18th Street, New York, N. Y.
Pedreschi, J.....124 31st Street, Brooklyn, N. Y.
Priven, A. E.....1608 47th Street, Brooklyn, N. Y.
Puleo, C.....35 Suydam Street, Brooklyn, N. Y.
Rifkin, H.....29 Ridge Street, New York, N. Y.
Robinson, E. T.....43 Prospect Place, Plainfield, N. J.
Sacher, H.....377 East 137th Street, Bronx, N. Y.
Salzone, J. L.....1292 Sixth Avenue, New York, N. Y.
Schmidt, C. G.....309 Lenox Road, Brooklyn, N. Y.
Schwartz, C. M.....1946 86th Street, Brooklyn, N. Y.
Sheffield, F. M.....Haworth Drive, Haworth, N. J.
Silverman, L.....1605 Avenue V, Brooklyn, N. Y.
Silverman, R.....338 East 15th Street, New York, N. Y.
Soicher, I. G.....1416 Stebbins Avenue, Bronx, N. Y.
Strassburg, A. G.....2060 Ocean Parkway, Brooklyn, N. Y.
Strassler, S.....351 New Lots Avenue, Brooklyn, N. Y.
Tuliszewiski, T. A.....37 Broome Street, Brooklyn, N. Y.
Tumolo, J.....573 39th Street, Brooklyn, N. Y.
Weinstein, H.....299 East 8th Street, New York, N. Y.
Wielonski, F.....409 Menahan Street, Ridgewood, N. Y.
Zwilling, S. J.....636 Faile Street, Bronx, N. Y.

ARCHITECTURE (Continued)

1933

Section I

Aronson, E.....105-20 75th Street, Ozone Park, L. I., N. Y.
Barbarite, J. P.....658 Nostrand Avenue, Brooklyn, N. Y.
Bianchi, J. C.....604 Summit Avenue, Union City, N. J.
Carollo, M.....184 Stockholm Street, Brooklyn, N. Y.
Deissroth, G. F.....191 Merrick Road, Amityville, L. I., N. Y.
Dolgow, E. I.....330 Barrett Street, Brooklyn, N. Y.
Duchim, I.....1110 Theriot Street, New York, N. Y.
Dyer, F.....718 John Street, Secaucus, N. J.
Fitzgerald, J. J.....13 Monitor Street, Jersey City, N. J.
Frank, N. B.....548 East 183rd Street, Bronx, N. Y.
Gilbert, W.....678 Quincy Street, Brooklyn, N. Y.
Gooding, R. A.....588 Macon Street, Brooklyn, N. Y.
Horn, S.....4705 New Utrecht Avenue, Brooklyn, N. Y.
Kirschenbaum, A. I.....536 Essex Street, Brooklyn, N. Y.
Kolin, S.....2376 Cornelia Street, Brooklyn, N. Y.
Leahy, B.....333 East 80th Street, New York, N. Y.
Lewis, D.....103 Stockholm Street, Brooklyn, N. Y.
Lorenc, J. F.....418 East 77th Street, New York, N. Y.
Marinaro, J.....190 Bleecker Street, New York, N. Y.
Mesnick, D.....20 Sickles Street, New York, N. Y.
Munson, J. A...101 West 52nd Street, New York, N. Y.
Murman, H.....99-16 Metropolitan Avenue, Forest Hills, L. I., N. Y.
Nulty, M. W.....551 40th Street, Brooklyn, N. Y.
Ocenasek, F. C.....431 South 2nd Avenue, Mount Vernon, N. Y.
Pavia, M. A.....91 Finney Lane, Stamford, Conn.
Reiner, H. P.....33-30 88th Street, Jackson Heights, N. Y.
Rose, J. J.....1638 East 52nd Street, Brooklyn, N. Y.
Saravis, J.....1601 Macombs Road, Bronx, N. Y.
Savitsky, B.....22-59 41st Street, Astoria, L. I., N. Y.
Schusheim, J.....130 Avenue D, New York, N. Y.
Spinetta, M. F.....1261 71st Street, Brooklyn, N. Y.
Stephens, E. J.....9330 123rd Street, Richmond Hill, N. Y.
Vera, R.....110 West 113th Street, New York, N. Y.

Section II

Altman, I.....637 Banner Avenue, Brooklyn, N. Y.
Backof, J. E.....26 Florence Street, Great Kills, S. I., N. Y.
Barrows, P. T.....152 Newell Street, Brooklyn, N. Y.
Beatty, L. D....89 Lexington Avenue, Jersey City, N. J.
Brown, G.....86-34 57th Road, Elmhurst, L. I., N. Y.
Cangialosi, J. F...4038 Lowerre Place, New York, N. Y.
De Mars, H. A.....1529 Bryant Avenue, Bronx, N. Y.
Drost, J. W.....162 East 7th Street, New York, N. Y.
Dushkin, L. L.....538 East 175th Street, Bronx, N. Y.
Falcone, V. L.....104-14 Otis Avenue, Corona, L. I., N. Y.
Foglia, R.....37-13 9th Street, Long Island City, N. Y.
Friedman, L. L.....269 Troy Avenue, Brooklyn, N. Y.
Ginsburg, B. E.....4332 Gunther Avenue, Bronx, N. Y.
Hahn, I.....114 Rodney Street, Brooklyn, N. Y.
Herman, W. G.....475 So. Columbus Avenue, Mount Vernon, N. Y.
Klein, J.....72 Heyward Street, Brooklyn, N. Y.
Krantz, E. W...504 West 180th Street, New York, N. Y.
Ledwith, J. T.....37-55 100th Street, Corona, L. I., N. Y.
Lopez, V.....157 West 111th Street, New York, N. Y
Lyon, E. C.....138 Buram Road, Port Chester, N. Y.
Maland, F.....200 East 166th Street, Bronx, N. Y.
Mossman, M. W...182 Amherst Avenue, Brooklyn, N. Y.
Muska, F. A.....449 Compton Avenue, Perth Amboy, N. J.
O'Brien, E. G.....545 East 133rd Street, Bronx, N. Y.
Pasetto, G. W.....119 8th Street, West New York, N. J.
Petshaft, J.....32 Elliot Street, Passaic, N. J.
Polsky, B. M.....253 Christopher Street, Brooklyn, N. Y.
Richman, M.....1014 Home Street, Bronx, N. Y.
Salkind, S.....299 East 8th Street, New York, N. Y.
Schoff, A. A.....206 East 67th Street, New York, N. Y.
Sinnott, J. J.....101-61 133rd Street, Richmond Hill, N. Y.
Sklarin, H.....246 2nd Street, Palisades Park, N. J.
Slebodnik, J. A.....52-32 66th Street, Maspeth, Queens, N. Y.
Stammel, W. E.....368 East 152nd Street, Bronx, N. Y.
Strom, H. T.....1762 Boulevard, Jersey City, N. J.
Taylor, G. T.....553 13th Street, West New York, N. J.

1934

Section I

Abramowitz, R.....89 Herzl Street, Brooklyn, N. Y.
Anderson, H. I.....578 Bainbridge Street, Brooklyn, N. Y.
Castello, D. A.....44 Rochelle Terrace, Mount Vernon, N. Y.
Corner, C.....2683 Morris Avenue, Bronx, N. Y.
Daveluy, R.....161 3rd Street, Stewart Manor, Garden City, L. I., N. Y.
Di Rocco, N. J.....108-68 42nd Street, Corona, L. I., N. Y.
Ebenstein, L. L.....2161 Southern Boulevard, Bronx, N. Y.
Freed, B.....543 13th Street, West New York, N. J.
Garrison, C. E.....99 Bay Street, City Island, N. Y.
Hamburger, E.....32 Lenox Road, Brooklyn, N. Y.
Hansen, C. R.....545 46th Street, Brooklyn, N. Y.
Harris, H.....747 Melrose Avenue, Bronx, N. Y.
Holden, R.....64 Summit Road, Tottenville, S. I., N. Y.
Klaffky, A. K.....107-41 92nd Street, Ozone Park, L. I., N. Y.
Kopelman, I. L.....1181 Eastern Parkway, Brooklyn, N. Y.
Krull, P.....215 East 121st Street, New York, N. Y.
Leparr, J. J.....153 Voss Avenue, Yonkers, N. Y.
Mahony, J. D.....92 Gates Avenue, Brooklyn, N. Y.
McGrath, F. E.....2485 Elm Place, Bronx, N. Y.
Meehan, J. M.....380 East 140th Street, Bronx, N. Y.
Nachmann, H.....2321 Tiebout Avenue, Bronx, N. Y.
Neuer, O.....3754 64th Street, Woodside, L. I., N. Y.
Palumbo, J. A.....232 Morningstar Road, Port Richmond, S. I., N. Y.
Paolucci, N. A.....105 Sunset Lane, Tenafly, N. J.
Podell, L.....2941 Carpenter Avenue, New York, N. Y.
Ridder, A. F...42-12 Broadway, Long Island City, N. Y.
Schechtman, A.....2335 Valentine Avenue, Bronx, N. Y.
Scully, J. S.....338 East 78th Street, New York, N. Y.
Seinfeld, S.....2879 Valentine Avenue, Bronx, N. Y.
Shiffman, I.....172 Bay 31st Street, Brooklyn, N. Y.
Singer, J.....1254 Blake Avenue, Brooklyn, N. Y.
Steen, J. A.....22-38 41st Street, Astoria, L. I., N. Y.
Steiner, D.....205 Powell Street, Brooklyn, N. Y.
Tebbutt, J. H.....343 East 42nd Street, New York, N. Y.
Weinstock, F.....217 Beach 76th Street, Averne, N. Y.

ARCHITECTURE (Continued)

Section II

Beck, A. H.....353 Montauk Avenue, Brooklyn, N. Y.
Berlow, G. G.....3044 Ocean Parkway, Brooklyn, N. Y.
Biederman, M.....52 East 123rd Street, New York, N. Y.
Burns, F. W.....131 Bidwell Avenue, Jersey City, N. J.
Cohn, H.....102 Post Avenue, New York, N. Y.
D'Elicio, S.....1071 76th Street, Brooklyn, N. Y.
Ditrano, D. P.....325 East 120th Street, New York, N. Y.
Ditrano, N. J...325 East 120th Street, New York, N. Y.
Emma, J.....6 Bay 25th Street, Brooklyn, N. Y.
Freeman, H.....851 Tinton Avenue, Bronx, N. Y.
Fuchs, I.....2400 Walton Avenue, Bronx, N. Y.
Geiler, A. ....37-11 68th Street, Woodside, L. I., N. Y.
Handelman, M.....1350 Fulton Avenue, Bronx, N. Y.
Hirsch, G.....1557 Hoe Avenue, Bronx, N. Y.
Kantor, I.....515 West 184th Street, New York, N. Y.
Kopecky, R.....649 Kosciusko Street, Brooklyn, N. Y.
Krulish, E.....403 East 73rd Street, New York, N. Y
Leon, D. A.....1197 Grand Concourse, Bronx, N. Y.
Liberati, A. M.....108 So. Main Street, Port Chester, N. Y.
Luciani, D.....1655 76th Street, Brooklyn, N. Y.
Meli, F. C.....1554 77th Street, Brooklyn, N. Y.
Neuberger, W. B.....124 21st Street, West New York, N. J.
Noonan, R. E.....8734 89th Street, Woodhaven, L. I., N. Y.
Pope, A.....253 Parkville Avenue, Brooklyn, N. Y.
Potenza, S. J.....1468 84th Street, Brooklyn, N. Y.
Rickmeyer, F. L., Jr....Myrtle Avenue opp. 73rd Place, Glendale, L. I., N. Y.
Schneiderman, H.....864 East 149th Street, Bronx, N. Y.
Sherman, C.....854 70th Street, Brooklyn, N. Y.
Silverman, J.....1822 Bathgate Avenue, Bronx, N. Y.
Slater, A.....684 St. Marys Street, Bronx, N. Y.
Yantsin, N., Jr.....876 West 180th Street, New York, N. Y.

Section III

Bares, J.....313 East 71st Street, New York, N. Y.
Batka, J., Jr.....52-08 44th Street, Laurel Hill, L. I., N. Y.
Brown, F. W.....2335 Valentine Avenue, Bronx, N. Y.
Clermont, A. J., Jr.....106 Cox Avenue, Yonkers, N. Y.
Cohen, H.....500 Madison Street, Brooklyn, N. Y.
Daines, R. B.....Prospect Street, Hicksville, L. I., N. Y.
Foley, W. J.....9451 242nd Street, Bellerose, L. I., N. Y.
Furst, A.....2427 Dorothy Place, Astoria, L. I., N. Y.
Guenther, C. F.....3082 43rd Street, Long Island City, N. Y.
Kiley, J. F...4411 28th Avenue, Long Island City, N. Y.
Kooperstein, J.....1106 Morris Avenue, Bronx, N. Y.
Kramer, J.....473 Brook Avenue, Bronx, N. Y.
Lavine, L.....939 East Tremont Avenue, Bronx, N. Y.
Mennonna, A. G.....106 Pocantico Street, North Tarrytown, N. Y.
McGowan, J....174 West 107th Street, New York, N. Y.
Navan, H.....91 Belmont Avenue, Jersey City, N. J.
Nevins, J. P.....625 Wilcox Avenue, Bronx, N. Y.
Pfeufer, W. G...215 Audubon Avenue, New York, N. Y.
Pomerantz, A.....615 Broad Avenue, Ridgefield, N. J.
Reif, H. E. .....237 Avenue P, Brooklyn, N. Y.
Rems, S D. .....1990 Ellis Avenue, Bronx, N. Y.
Saia, C. A.....117 Third Place, Brooklyn, N. Y.
Schepis, N. B.....2557 Colden Avenue, Bronx, N. Y.
Segall, D. R.....11 Waverley Place, East, N. Y.
Simon, S.....1919 66th Street, Brooklyn, N. Y.
Stein, H. H.....2950 East 2nd Street, Brooklyn, N. Y.
Steingisser, H.....1006 Freeman Street, Bronx, N. Y.
Szabo, J.....411 East 82nd Street, New York, N. Y.
Tessitore, F.....1950 78th Street, Brooklyn, N. Y.
Weisburg, D.....1805 49th Street, Brooklyn, N. Y.

ARCHITECTURE
1935

Section I

Anastasia, A. A.....1723 Beverly Road, Brooklyn, N. Y.
Bevaccua, S. J.....326 East 9th Street, Brooklyn, N. Y.
Cafarelli, E.....77 Ferris Avenue, White Plains, N. Y.
Debin, S.....739 Pennsylvania Avenue, Brooklyn, N. Y.
Desira, E.....239 East 24th Street, New York, N. Y.
Dickson, D. G.....115 Gordon Avenue, North Tarrytown, N. Y.
Drantch, A.....207 Rodney Street, Brooklyn, N. Y.
Eldred, R. C.....72 Riverside Drive, Beechhurst, L. I., N. Y.
Epstein, M.....381 Berry Street, Brooklyn, N. Y.
Esposito, F. X.....9 1st Place, Brooklyn, N. Y.
Ezzes, L. M.....41 Lincoln Road, Brooklyn, N. Y.
Fazioli, J. E.....112 East 116th Street, New York, N. Y.
Freeman, G. W., Jr.....175 Lawrence Avenue, Floral Park, L. I., N. Y.
Freeman, H.....851 Tinton Avenue, Bronx, N. Y.
Gamache, M. L...2949 West 30th Street, Brooklyn, N. Y.
Gervasi, R. J.....1310 Halsey Street, Brooklyn, N. Y.
Glass, D. S.....1360 East 5th Street, Brooklyn, N. Y.
Goodman, L. W.....615 East 136th Street, Bronx, N. Y.
Gordon, F.....1893 Andrews Avenue, Bronx, N. Y.
Goren, R.....1906 Mermaid Avenue, Brooklyn, N. Y.
Grier, W. R.....2 Adrian Avenue, New York, N. Y.
Halpern, K...2360 Washington Avenue, New York, N. Y.
Halpern, R. J...2838 West 22nd Street, Brooklyn, N. Y.
Handelman, M.....1350 Fulton Avenue, Bronx, N. Y.
Happel, A. W.....160 Pine Street, Jersey City, N. J.
Hinks, J. F.....35 West 88th Street, New York, N. Y.
Hoppe, H. F.....28 Vermont Avenue, Newark, N. J.
Insull, H.....1689 Linden Street, Brooklyn, N. Y.
Johnson, J. A.....55 Sherman Street, Brooklyn, N. Y.
Kadisch, H. A.....159A 23rd Street, Brooklyn, N. Y.
Klein, B.....551 East 29th Street, Brooklyn, N. Y.
Koterwocs, T.....2201 Haviland Avenue, Bronx, N. Y.
Krasnow, M.....356 West 34th Street, New York, N. J.
Kriete, F. M.....812 Leland Avenue, Plainfield, N. Y.
Lacks, I.....1306 St. Johns Place, Brooklyn, N. Y.
Larussa, V.....673 Coney Island Avenue, Brooklyn, N. Y.
Leibowitz, H.....229 Stockton Street, Brooklyn, N. Y.

Section II

Abt, F.....862 Fresh Pond Road, Ridgewood, N. Y.
Apatov, A.....66 Moore Street, Brooklyn, N. Y.
Asnin, B.....9024 Avenue L, Brooklyn, N. Y.
Bassoff, W.....1339 Bristow Street, Bronx, N. Y.
Beckerman, D.....510 Livonia Street, Brooklyn, N. Y.
Beckerman, S.....1768 Bryant Avenue, Bronx, N. Y.
Begelman, C.....615 Kosciusko Street, Brooklyn, N. Y.
Berger, A. E.....141 Manhattan Avenue, Brooklyn, N. Y.
Berland, S.....155 East 168th Street, Bronx, N. Y.
Berlow, G. G.....3044 Ocean Parkway, Brooklyn, N. Y.
Bernfried, C. J.....249 52nd Street, Brooklyn, N. Y.
Bershadosky, M. L.....2070 Arthur Avenue, Bronx, N. Y.
Bertucci, J.....711 Bartholdi Street, Bronx, N. Y.
Bock, F. T.....144-18 231st Street, Rosedale, L. I., N. Y.
Boldrin, A. J.....157-17 12th Road, Whitestone, L. I. N. Y.

ARCHITECTURE (Continued)

Brettholz, S. S.....2538 Cruger Avenue, Bronx, N. Y.
Brody, N. N.....1143 38th Street, Brooklyn, N. Y.
Cabdrilli, S.....589 18th Street, Brooklyn, N. Y.
Carroll, M. L....3829 Chambers Street, Bayside, N. Y.
Castaing, J. E.....7816 Fort Hamilton Parkway, Brooklyn, N. Y.
Cerracchio, P.....552 Ocean Avenue, Jersey City, N. J.
Chaloff, A.....2246 Newbold Avenue, Bronx, N. Y.
Chambers, J. A...151 Weirfield Street, Brooklyn, N. Y.
Cohen, A. D.....1121 West Farms Road, Bronx, N. Y.
Cohen, S.....1117 Gerard Avenue, Bronx, N. Y.
Confind, J. A.....2044 62nd Street, Brooklyn, N. Y.
Connin, L. C.....39 Mercer Street, Jersey City, N. J.
Cottun, L.....687 Prospect Avenue, Bronx, N. Y.
Curione, S. P...60-60 Putnam Avenue, Ridgewood, N. Y.
Danielson, E. B...4000 Lowerre Place, New York, N. Y.
Darwas, F. J.....912 East 169th Street, Bronx, N. Y.
Deguara, S. C.....269 Lincoln Road, Brooklyn, N. Y.
de la Parra, D. J. R.....115-38 166th Street, Jamaica, L. I., N. Y.
Friedman, B. J....2147 Douglass Street, Brooklyn, N. Y.
Hart, A. C.....3275 Third Avenue, Bronx, N. Y.
Hoolan, J. W.....3033 90th Street, Jackson Heights, L. I., N. Y.
Jensen, E. W.....102 Decker Avenue, Port Richmond, S. I., N. Y.
Kroeger, E. M....149 Beechwood Avenue, Bogota, N. J.
Stamm, C.....479 Brook Avenue, Bronx, N. Y.
Tripoli, N.....40-31 99th Street, Corona, L. I., N. Y.

Section III

Federico, A. W.....524 37th Street, North Bergen, N. J.
Raia, J.....60-44 Collins Avenue, Maspeth, L. I., N. Y.
Rosen, B. J.....1 Sickles Street, New York, N. Y.
Rosenthal, D.....1376 East 2nd Street, Brooklyn, N. Y.
Russo, J.....7517 11th Avenue, Brooklyn, N. Y.
Schepper, N. G...4214 Carpenter Avenue, Bronx, N. Y.
Schimment, M.....58-20 Fresh Pond Road, Maspeth, L. I., N. Y.
Schmidt, O. G.....1312 Adee Avenue, Bronx, N. Y.
Schure, S. S.....3800 Carpenter Avenue, Bronx, N. Y.
Seeland, A. T...122 Stevens Avenue, Jersey City, N. J.
Shestilowsky, J.....215 Pennsylvania Avenue, Brooklyn, N. Y.
Sindelar, E. F.....517 East 87th Street, New York, N. Y.
Smith, B.....53 East 182nd Street, Bronx, N. Y.
Smith, G. D.....189 Fairview Avenue, Bogota, N. J.
Stagnitta, J. S.....1227 Avenue T, Brooklyn, N. Y.
Stagnitta, T. J.....1227 Avenue T, Brooklyn, N. Y.
Stern, T.....4103 12th Avenue, Brooklyn, N. Y.
Szaloczi, J.....389 East 138th Street, Bronx, N. Y.
Tesoriero, D.....7711 5th Avenue, Brooklyn, N. Y
Tillberg, C. J.....315 North Street, Woodridge, N. J.
Tomash, A. W.....204 Bay 29th Street, Brooklyn, N. Y.
Trowbridge.....128 East 123rd Street, New York, N. Y.
Wacker, H. G.....71-28 68th Street, Glendale, Queens, N. Y.
Ward, C. C.....714 Dixie Lane, Plainfield, N. J.
Wasserman, H. P.....4106 50th Street, Woodside, L. I., N. Y.
Weinpel, G. C.....190 President Street, Passaic, N. J.
Weter, H.....130-34 Lefferts Avenue, Richmond Hill, N. Y.
Wickborn, A. I.....2324 Catalpa Avenue, Ridgewood, N. Y.
Wieck, J. W.....941 Washington Avenue, Bronx, N. Y.
Willis, H. W....297 West 112th Street, New York, N. Y.
Wollock, J.....1276 41st Street, Brooklyn, N. Y.
Zellermayer, M.....2077 Vyse Avenue, Bronx, N. Y.
Zuller, A. F.....86-49 104th Street, Richmond Hill, N. Y.

Section IV

Lerario, F. L...3533 31st Street, Long Island City, N. Y.
Levitz, H.....502 East 104th Street, Brooklyn, N. Y.
Liberati, A. M.....108 So. Main Street, Port Chester, N. Y.
Lipson, M. H.....1601 Macombs Road, Bronx, N. Y.
Lisinicchia, M.....500 East 11th Street, New York, N. Y.
Malkin, J. C.....9039 148th Street, Jamaica, L. I., N. Y.
March, H. C.....833 54th Street, Brooklyn, N. Y.
Marino, A. A.....39 Renfrew Place, Port Richmond, S. I., N. Y.
Markard, O.....6115 Madison Street, Brooklyn, N. Y.
Martocci, A. B...329 East 16th Street, New York, N. Y.
Meli, F. C.....1554 77th Street, Brooklyn, N. Y.
Messineo, E. A.....824 Avenue U, Brooklyn, N. Y.
Morline, E. J.....443 6th Street, Brooklyn, N. Y.
Morard, L.....114 East 17th Street, New York, N. Y.
Moskowitz, N.....110 Lewis Street, New York, N. Y.
Murray, D. P.....15 Railroad Avenue, New Rochelle, N. Y.
Nilson, W. F.....1216 79th Street, Brooklyn, N. Y.
Noble, M. S.....40 St. Clair Place, New York, N. Y.
Ochitill, S. J.....3615 Mermaid Avenue, Brooklyn, N. Y.
Olsen, O. F.....61 North Avenue, West New Brighten, S. I., N. Y.
Palmer, J. A.....141 Park Avenue, Passaic, N. J.
Palombo, H.....1461 Madison Avenue, New York, N. Y.
Pappalardo, F.....17 Pennsylvania Avenue, Brooklyn, N. Y.
Pardi, L. A.....13 Myrtle Avenue, Manhasset, N. Y.
Perla, C.....958 Gillies Avenue, North Bergen, N. J.
Picon, S.....564 Fox Street, Bronx, N. Y.
Queseda, S. C...266 West 118th Street, New York, N. Y.
Raboy, E.....3451 Giles Place, New York, N. Y.
Randa, S.....92 Ocean Avenue, Great Kills, S. I., N. Y.
Reed, F. C.....7702 Colonial Road, Brooklyn, N. Y.
Rocca, W.....348 East 219th Street, Bronx, N. Y.
Romond, G. L.....118 Oliver Street, Rahway, N. J.
Ross, S.....176 Pennsylvania Avenue, Brooklyn, N. Y.
Runyon, D. I.....49 Van Wagenen Avenue, Jersey City, N. J.
Seidel, W.....1467 Paterson Plk. Road, Secaucus, N. J.
Smith, J. F.....392 1st Street, Brooklyn, N. Y.
Stronach, T. H.....32-53 34th Street, Astoria, L. I., N. Y.

LIFE CLASS
1932

Beltran, M.....171 Pearl Street, Brooklyn, N. Y.
Campbell, B. J.....1304 Bloomfield Street, Hoboken, N. J.
Cappelli, F.....310 East 119th Street, New York, N. Y.
D'Asaro, I. N.....1678 80th Street, Brooklyn, N. Y.
DeGennaro, V.....651 Henry Street, Union City, N. J.
DiTore, S.....706 Union Street, Brooklyn, N. Y.
Feldman, M.....861 Elsmere Place, Bronx, N. Y.
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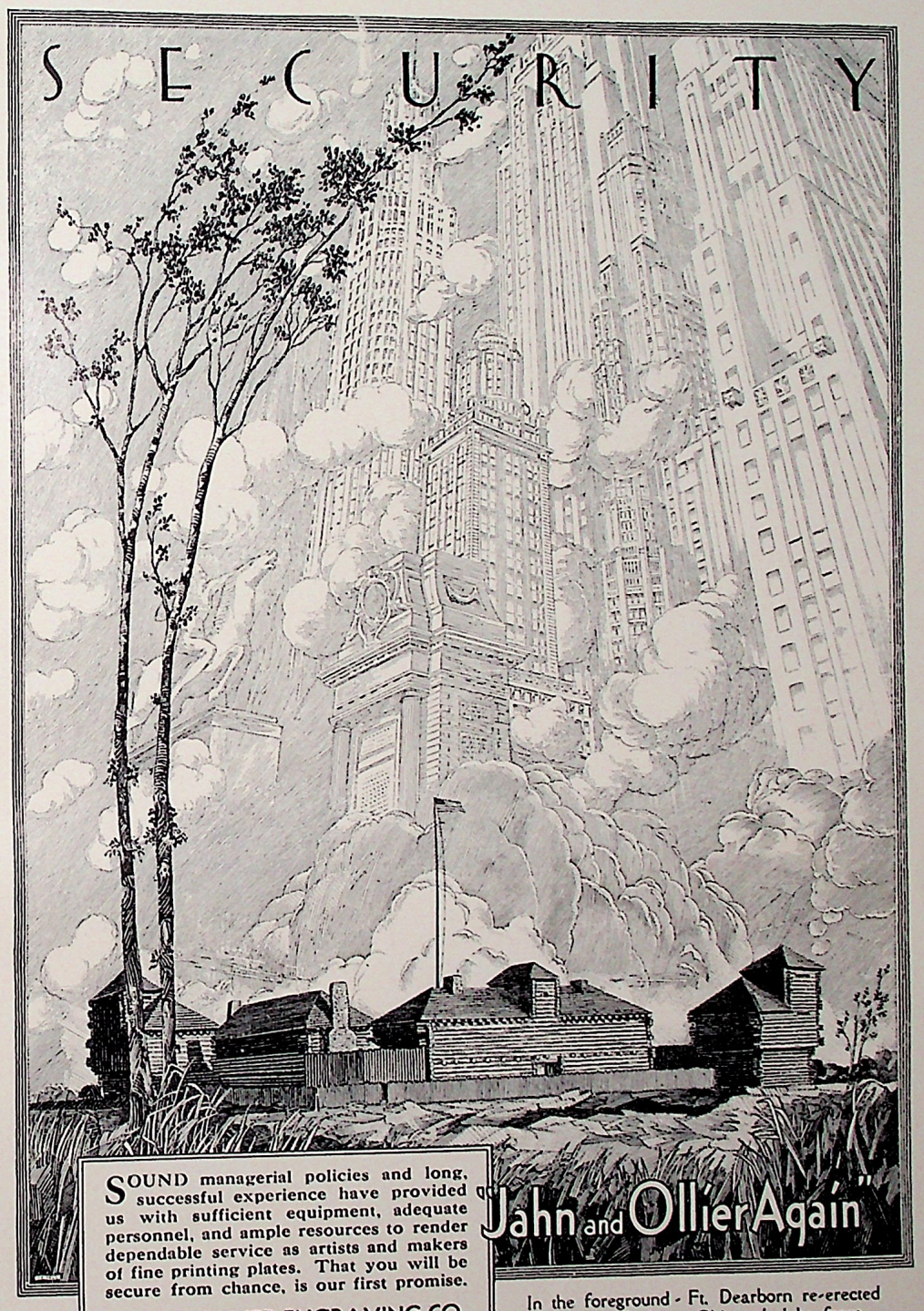

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